

RIVERBANK CHARACTERIZATION DATA REPORT
REVISION 2

REMEDIAL DESIGN SERVICES
SWAN ISLAND BASIN PROJECT AREA
CERCLA DOCKET NO. 10-2021-001

PORTLAND HARBOR SUPERFUND SITE
PORTLAND, MULTNOMAH COUNTY, OREGON

Prepared for:
Swan Island Basin Remedial Design Group

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December 2024

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Contract Number: DT2002

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LIST OF ACRONYMS AND ABBREVIATIONS

Abkf	bankfull area
dbkf	mean depth
dnb	near-bank maximum depth
ft	feet/foot
pg/g	picogram per gram
Rc	radius of curvature
S	average slope
Sp	pool slope
Srif	riffle slope
µg/kg	microgram per kilogram
τnb	near-bank shear stress
τbkf	bankfull shear stress
W_{bkf}	bankfull width
1,2,3,4,7,8-HxCDF	1,2,3,4,7,8-hexachlorodibenzofuran
1,2,3,7,8-PeCDD	1,2,3,7,8-pentachlorodibenzo-p-dioxin
2,3,4,7,8-PeCDF	2,3,4,7,8-pentachlorodibenzofuran
2,3,7,8-TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
2,3,7,8-TCDF	2,3,7,8-tetrachlorodibenzofuran
ALS	ALS Environmental
ARI	Analytical Resources, LLC
Ash Creek	Ash Creek Associates, Inc.
ATC	ATC Leasing Company LLC
BANCS	Bank Assessment for Non-Point Source Consequences of Sediment
BEHI	Bank Erosion Hazard Index
BEHP	bis(2-ethylhexyl)phthalate
CFA	Cape Fear Analytical, LLC
COC	contaminant of concern
CUL	cleanup level
DDx	dichlorodiphenyldichloroethane + dichlorodiphenyldichloroethylene + dichlorodiphenyltrichloroethane
DEQ	Oregon Department of Environmental Quality
EB	equipment blank
ECSI	Environmental Cleanup Site Information
EPA	U.S. Environmental Protection Agency
HGL	HydroGeoLogic, Inc.

LiDAR	light detection and ranging
MDL	Method Detection Limit
MLW	mean low water
MS	matrix spike
MSD	matrix spike duplicate
NAVD88	North American Vertical Datum of 1988
NBS	near-bank stress
OHW	ordinary high water
OU	operable unit
PAH	polycyclic aromatic hydrocarbons
PAL	Project Action Limit
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzodioxins
PCDF	polychlorinated dibenzofurans
PDI	Pre-Design Investigation
PHSS	Portland Harbor Superfund Site
PQL	Practical Quantitation Limit
PTW	principal threat waste
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RAL	Remedial Action Level
RD	Remedial Design
ROD	Record of Decision
SDG	sample delivery group
SCC	Shipyard Commerce Center
SIB	Swan Island Basin
SIUF	Swan Island Upland Facility
TOB	top of bank
TPH	total petroleum hydrocarbons
UFP	Uniform Federal Policy
USNMRC	U.S. Navy and Marine Reserve Center

RIVERBANK CHARACTERIZATION DATA REPORT
SWAN ISLAND BASIN PROJECT AREA
PORTLAND HARBOR SUPERFUND SITE
PORTLAND, MULTNOMAH COUNTY, OREGON

1.0 INTRODUCTION

This Riverbank Characterization Data Report presents the results of riverbank characterization data collection activities conducted as part of the Pre-Design Investigation (PDI) for the Swan Island Basin (SIB) Project Area within the Portland Harbor Superfund Site (PHSS) in Portland, Multnomah County, Oregon. Bridgewater Group and HydroGeoLogic, Inc. (HGL) performed the work on behalf of the SIB Remedial Design (RD) Group based on the requirements of the PHSS Record of Decision (ROD) (EPA, 2017) and the Administrative Settlement Agreement and Order on Consent (EPA, 2021a). The work was performed in accordance with the final PDI Work Plan, which the U.S. Environmental Protection Agency (EPA) approved in May 2022 (HGL, 2022a); the Stormwater and Riverbank Assessment and Sampling Plan (SRASP), which EPA approved in November 2021 (HGL, 2021a); and the Riverbank Sampling Plan, which EPA approved in October 2022 (HGL, 2022b).

1.1 OBJECTIVES AND SCOPE

Riverbank characterization was needed to fulfill three purposes: (1) address data gaps necessary to complete the source control sufficiency assessment, (2) determine the full extent of contamination exceeding the ROD cleanup levels (CULs), remedial action levels (RALs), and principal threat waste (PTW) thresholds, and (3) provide data necessary to support RD for remediation of contaminated riverbank soils (EPA, 2019).

To accomplish these objectives, the following riverbank characterization and chemistry data characterization activities were performed:

- A visual inspection to identify and characterize existing conditions and the types of materials present in the entire riverbank within the SIB Project Area.
- Collection of bank stability analysis input parameters for the Bank Assessment for Non-point Source Consequences of Sediment (BANCS) evaluation, including Bank Erosion Hazard Index (BEHI) and near-bank stress determinations.
- Assembly of available topographic and nearshore bathymetric maps and light detection and ranging (LiDAR) maps to obtain topographic inputs for the BANCS analysis.
- BANCS evaluation to calculate the degree of erodibility of banks.
- A field investigation program consisting of grab soil sample collection from available top of bank (TOB), ordinary high water (OHW) mark, and at or below mean low water (MLW) locations and depth intervals.
- Analytical chemistry testing of riverbank surface soil samples and select depth intervals.

Riverbank characterization was conducted in two mobilizations. The visual assessment was conducted in the first mobilization and was completed in February and May 2022. The field investigation program was conducted in the second mobilization and was completed in October 2022.

Riverbank characterization data will be used to support recontamination analysis as part of the source control sufficiency assessment. The potential for post-Remedial Action erosion of contaminated riverbank material will be evaluated by considering the spatial distribution of contamination combined with the estimated rate of bank erosion. Riverbanks with contaminated soil susceptible to erosion will be addressed in the RD to control this source of potential recontamination.

1.2 PROJECT AREA BACKGROUND

The SIB Project Area is the active cleanup area designated in the ROD between approximately River Miles 8.1 and 9.2 on the northeast side of the Willamette River (Figure 1-1). The SIB Project Area is approximately 1.1 miles in length, 117 acres in size, and includes riverbanks.

1.3 DOCUMENT ORGANIZATION

The report is organized into the following sections:

- Section 1.0 presents an introduction, including the objectives and scope of riverbank characterization;
- Section 2.0 describes the assessment activities and methodology;
- Section 3.0 describes sampling and analyses;
- Section 4.0 summarizes the riverbank analytical results;
- Section 5.0 summarizes the conclusions of the riverbank characterization data collection activities; and
- Section 6.0 lists the references cited in this Riverbank Characterization Data Report.

Supporting information is provided in the following attachments:

- Attachment A – Erodibility Potential Input
    - Attachment A.1 Physical Shoreline Inspection Forms
    - Attachment A.2 BEHI Forms
- Attachment B – Field Investigation
    - Attachment B.1 Riverbank Sample Collection Summary Table
    - Attachment B.2 Sample Deviation Summary Table
    - Attachment B.3 EPA Field Change Request
    - Attachment B.4 Riverbank Grab Sample Logs with Photographic Documentation
- Attachment C – Laboratory Analytical Results
    - Attachment C.1 Laboratory Analytical Results
    - Attachment C.2 Data Validation Reports
    - Attachment C.3 Analytical Data Packages

2.0 SITE BACKGROUND AND EXISTING CONDITIONS

The ROD defines riverbanks as areas from the TOB down to MLW. The *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (EPA, 2019) outlines the site-specific riverbank sampling and evaluation process for ROD riverbanks pending characterization, to include collection of physical and chemical characterization data from the TOB down to MLW.[1]

The Sufficiency Assessment Report assigned an initial source control sufficiency status of "uncontrolled" to all shoreline properties[2] because (1) few riverbanks within the SIB Project Area have been adequately characterized (Sufficiency Assessment Report Figure 6-1 [HGL, 2021a]); (2) there is a potential need for Remedial Action on shorelines where contaminants of concern (COCs) are present in soils; and (3) contaminated riverbanks are at risk of erosion and could be uncontrolled sources of recontamination. If an in-river sediment management area does not extend to the toe of the riverbank in portions of the SIB shoreline (i.e., is not contiguous with the riverbank) and the riverbank materials are not erodible, the source control sufficiency status may be downgraded for the riverbank erosion pathway in those areas. Regardless of source control sufficiency status assigned to a particular riverbank, EPA guidance for riverbanks (EPA, 2019) requires the characterization of the entire lateral extent of COCs in the riverbank.

2.1 EVALUATION OF AVAILABLE RIVERBANK DATA

The ROD (EPA, 2017) identified three sections of riverbank within the SIB Project Area as areas with known contamination. The locations of those riverbanks are shown on Figure 2-1. A description of each is below:

- One riverbank along the Project Fleet Owner LLC/Shipyard Commerce Center (SCC)[3] property on the Swan Island peninsula (1,487 lineal feet [ft] of bulkheads, a historical wooden retaining wall, and/or riprap below OHW and vegetated soil above OHW) (Environmental Cleanup Site Information [ECSI] 271) (Ash Creek Associates [Ash Creek], 2012; Oregon Department of Environmental Quality [DEQ], 2013);
- The riverbank along SCC's Dry Dock Basin and Ballast Water Treatment Plant on the end of the Swan Island peninsula (224 lineal ft of engineered bank consisting of riprap below OHW and vegetated soil above OHW) (Ash Creek, 2013; DEQ, 2014); and
- One 911-ft-long riverbank, armored with riprap below OHW and vegetated soil above OHW, along the U.S. Navy and Marine Reserve Center (USNMRC) (ECSI 5109) in the Mocks Bottom portion of the SIB Upland Area.

[1] Figure 3 of *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (EPA, 2019), presents riverbank conceptual diagrams as cross sections and includes datum for OHW (20.08 ft North American Vertical Datum of 1988 [NAVD88]), mean high water (10.14 ft NAVD88), and MLW (7.28 ft NAVD88). These datum were used in the planning and execution of SIB riverbank characterization.

[2] The boundaries of shoreline properties generally extend only to OHW, with the exception of Swan Island Dock Company, which extends down to the MLW mark.

[3] Portland Shipyard and Swan Island Upland Facility (SIUF).

Two non-ROD riverbanks were identified based on ROD CUL exceedances in soil during previous investigations: a 713-ft-long unarmored sand riverbank at the head of SIB (Figure 2-1; SIB Grids C-F/37-38), and a 587-ft-long armored bank along the Port of Portland's (port) N. Lagoon Avenue property adjacent to SIB (Figure 2-1; SIB Grids F-G/20-21 and F-G/28-34)).

Characterization data was available for only three shoreline properties in the SIB Upland Area: City of Portland (city) property with a public boat ramp at the head of SIB and two former operable units (OUs) of the SIUF (OU1 at the former Portland Shipyard and OU3 at the port property on N. Lagoon Avenue [part of the former Portland Shipyard]). Detected concentrations of metals, polychlorinated biphenyls (PCBs), and polycyclic hydrocarbons (PAHs) exceeded the ROD CULs at the SCC property, and PCBs exceeded the ROD RAL and ROD PTW threshold. In addition, ROD CULs were exceeded in samples collected at the port's N. Lagoon Avenue property (former SIUF OU3) and the city's property at the head of SIB. Because the lateral extents of the exceedances were not defined and not all ROD COCs were analyzed, these conditions were identified as data gaps for the PDI, and additional characterization was performed as part of the riverbank characterization effort.

2.2 RIVERBANK CHARACTERIZATION – PHASE I

Phase I of the riverbank characterization was performed in February and May 2022. The first phase included an assessment survey of the entire riverbank within the SIB Project Area and completion of a bank stability analysis using the BANCS model, including BEHI and near-bank stress (NBS) determinations (Rosgen, 2001; 2014).

This section describes the results of the first phase of the riverbank assessment. Field staff accessed the SIB riverbanks primarily by boat due to the steepness of the banks and dense vegetation. A total of 126 transects (1 per every 100 lineal ft of riverbank) (transect 000 to transect 125) were visually inspected. Transect locations are shown on Figure 2-2. Transects 000 through 051 are adjacent to SCC. Transects 052 through 057 are adjacent to the port's N Lagoon Avenue property (formerly Portland Shipyard SIUF OU3). Transects 058 through 061 are adjacent to the Freightliner's Wind Tunnel Research & Design facility. Transects 062 through 064 are adjacent to Anchor Park LLC. Transects 065 through 070 are adjacent to the city's Swan Island public boat ramp and parking property. Transects 071 through 086 are on the Swan Island Dock Company (SIDC) property. Transects 087 through 092 are adjacent to ATC Leasing Company LLC (ATC). Transects 093 through 102 are adjacent to the port's Dredge Base. Transects 103 through 111 are adjacent to The Marine Salvage Consortium Inc. Transects 112 through 120 are adjacent to USNMRC. Transects 121 through 125 are adjacent to the U.S. Coast Guard Marine Safety Unit (USCG MSU).

Photographs and field notes were taken at each riverbank transect, estimating slopes, percent vegetation cover and root depth, material types and amount of surface protection, and evidence of slope failure and overland flow. Photographs, field notes, and the results of the survey are documented on Physical Shoreline Inspection Forms included in Attachment A.1.

2.3 ERODIBILITY POTENTIAL ASSESSMENT

The BANCS model uses the quantitative assessment of the BEHI (Rosgen, 2014). The BEHI is a procedure for assessing potential streambank erosion conditions. During the first phase of the riverbank characterization, HGL completed BEHI field forms for each riverbank transect to be used in the completion of a bank stability analysis using the BANCS model (Attachment A.2). The calculation of BEHIs estimate the potential degree of erodibility of the banks based on visual observations. In addition, NBS was estimated using Level III (5) Near-bank maximum depth to bank full mean depth (d_{nb}/d_{bkf}).[4]

2.3.1 Bank Erosion Hazard Index

To evaluate the BEHI, HGL reviewed available LiDAR elevation data for the riverbank transects in conjunction with the data collected during the visual inspection of the riverbank transects to estimate the following characteristics:

- Study bank height (TOB elevation – toe of slope elevation, ft);
- Bankfull height (OHW elevation – toe of slope elevation, ft);
- Root density and depth;
- Type of surface protection (e.g., boulders, cobbles, sand, gravel, silt/clay);
- Vegetation;
- Bank angle (maximum angle between the toe and top of the slope); and
- Condition of bank materials.

Complete BEHI field sheets with ratings for each transect are provided as Attachment A.2. The measured stream bank characteristics were converted to a risk rating system to determine the applied BEHI value for each bank characteristic (Rosgen, 2014). The assessment of the BEHI assigns point values to the following six characteristics:

1. Ratio of bank height to bankfull height,
2. Ratio of root depth to bank height,
3. Weighted root density,
4. Bank angle,
5. Surface protection, and
6. Bank material composition.

The methods for determining each of these characteristics are described in the following subsections.

2.3.1.1 Ratio of Study Bank Height to Bankfull Height

The ratio of study bank height to bankfull height required the identification of the elevations of the TOB and the toe of the slope. The toe of slope elevation was identified as the first significant change in slope below OHW but above mean high water (MHW). Because there were no

[4] More robust slope stability analyses are being performed concurrently by geotechnical and coastal engineers on the SIB RD Project Team.

geomorphic features indicating a change in slope below the OHW but above the MLW, the MHW elevation (10.14 ft NAVD88) was used as the toe of slope for the transects. The study bank height is the difference in elevation from the TOB to MHW. The bankfull height is the OHW elevation minus the MHW (20.08 ft NAVD88 – 10.14 ft NAVD88 = 9.94 ft NAVD88).

2.3.1.2 Root Depth Ratio

Root depth is the ratio of average plant root depth to the bank height, expressed as a percent (e.g., roots extending 10 ft into a 20-ft-tall bank = 0.50 percent). Because of a lack of exposed roots, the root depth was estimated based on reference values for the rooting depth of the plant species present along the bank.

2.3.1.3 Weighted Root Density

Root density is the proportion of the streambank surface covered by plant roots, expressed as a percentage. Rooting density was estimated with the percentage of vegetation on the bank. Weighted root density was calculated by multiplying the root depth ratio and root density.

2.3.1.4 Bank Angle

Bank angle is the maximum angle of the bank from the toe of the slope to the top of the slope. Bank angle was calculated at each transect, using the elevation profile of the bank determined during the 2019 topographic surveys (City of Portland, 2019). The bank angle was measured along the steepest portion of the slope, which is most prone to failure (Rosgen, 2014).

2.3.1.5 Surface Protection

Surface protection is the amount of riverbank covered by plant roots, logs, branches, rocks, etc., expressed as a percentage. This was visually estimated for each transect.

2.3.1.6 Bank Material Composition

Elements of the bank material composition assessed in the field included the observed grain size distribution of the bank material and the presence of stratification.

The following Bank Material Adjustment was applied in the BEHI calculation:

- Bedrock (engineered bank, riprap, or construction debris): (overall very low BEHI);
- Boulders (consisting of slag, metal, riprap, or construction debris): >10 inches (overall very low BEHI);
- Cobble (consisting of rip rap or construction debris): 0.2 inch to 10 inches (subtract 5 or 10 points for uniform medium to large cobble);
- Gravel or composite matrix (consisting of rip rap or construction debris): (add 5 to 10 points, depending on percentage of bank material that is composed of sand);
- Sand: 0.04 inch to 0.2 inch (add 10 points); and
- Silt/clay: 0.0002 inch to 0.04 inch (no adjustment).

2.3.1.7 BEHI Rating Methods

The sum of the six bank characteristics (ratio of bank height to bankfull height, ratio of root depth to bank height, weighted root density, bank angle, surface protection, and bank material composition adjustment) was applied to the BEHI scale to determine the rating for each transect (Attachment A.2). Table 2-1 summarizes the BEHI results from each transect. Figure 2-2 shows the transect ratings around SIB.

The total BEHI value of each transect can be correlated with the BEHI adjective ratings (Rosgen, 2014) as follows:

Total BEHI	BEHI Adjective Rating
5–9.5	Very Low
10–19.5	Low
20–29.5	Moderate
30–39.5	High
40–45	Very High
46–50	Extreme

The total BEHI model rating indicate low to extreme probabilities of riverbank erosion depending on transect location (Table 2-1; Figure 2-2).

2.3.2 Near-Bank Stress

Annual streambank erosion rate predictions include an NBS assessment associated with energy distribution against stream banks (Rosgen, 2001). NBS determinations are divided into seven different options. The NBS variables used in the prediction methodology indicate potential disproportionate energy in the near-bank region (i.e., the 1/3 of the channel cross-section associated with the bank being evaluated), which can accelerate streambank erosion.

HGL generated 15 transects across SIB to estimate NBS risk ratings to calculate erosion rates (Figure 2-3). The cross-section locations were selected to represent the different bathymetric regions adjacent to the riverbank transects in SIB as well as bank morphologies.

The NBS ratings were determined using one or more of the following levels:

Level I (1) Channel pattern, transverse bar, or split channel/central bar creating NBS or high velocity gradient;
Level II (2) Radius of curvature to bank full width (R_c/W_{bkf});
Level II (3) Pool slope to average water surface slope (S_p/S);
Level II (4) Pool slope to riffle slope (S_p/S_{rif});
Level III (5) Near-bank maximum depth to bank full mean depth (d_{nb}/d_{bkf});
Level III (6) Near-bank shear stress to bank full shear stress (τ_{nb}/τ_{bkf}); and
Level IV (7) Velocity profiles/isovels/velocity gradient.

Based on the available data and hydrodynamics of SIB, HGL used the Level III (5) method to estimate NBS. Table 2-2 summarizes input parameters for the Level III (5) NBS calculations. This method calculates the ratio of the near-bank, bankfull maximum depth at a site to the mean depth of the cross-section at the same location (d_{nb}/d_{bkf}).

HGL mapped 15 transects from each side of the SIB riverbank (coincident with groups of transects with similar morphologies and SIB bathymetry) to estimate the bankfull area (A_{bkf}), bankfull channel width (W_{bkf}) and bankfull mean depth (d_{bkf}) (Table 2-2 and Figure 2-3).

Each bankfull channel width (W_{bkf}) transect was divided into thirds to determine the near-bank maximum depth (d_{nb}: max depth of the closest 1/3 bankfull width closest to the study bank) (Table 2-2 and Figure 2-3). The bankfull mean depth was calculated by dividing each transect's cross-sectional area by its width. The near-bank maximum depth (d_{nb}: max depth of the closest 1/3 bankfull width closest to the study bank) was then divided by the bankfull mean depth (d_{bkf}). Table 2-2 presents the ratio value as converted to an NBS rating using Worksheet 3-12 of the River Stability Field Guide (Rosgen, 2014). The calculated ratio values were then converted to the following NBS adjective ratings (Rosgen, 2014) for the Level III (5) Method:

Level III (5) NBS Ratio	NBS Adjective Rating
<1.00	Very Low
1.00 - 1.50	Low
1.51 - 1.80	Moderate
1.81 - 2.50	High
2.51 - 3.00	Very High
>3.00	Extreme

The Level III (5) evaluation calculated low NBS values for all transect groups (Table 2-2).

3.0 RIVERBANK SOIL SAMPLING SUMMARY

EPA guidance for riverbanks (EPA, 2019) requires the characterization of the entire lateral extent of the riverbank. During the second phase of the riverbank characterization in October 2022, riverbank soil sampling for chemical characterization was performed at 119 riverbank transect locations at 3 elevations (e.g., TOB, face [OHW] and toe of bank [MLW]) (Figure 3-1). In accordance with the Riverbank Sampling Plan (HGL, 2022b), three depth intervals were collected: surface soils (0 to 1 ft) and subsurface soils (1 to 2 and 2 to 3 ft), where possible using manual and hand auguring field techniques. Table 3-1 is a summary of riverbank soil sample collection information. Attachment B.1 includes a complete summary of sampling locations, intervals collected, analytical matrix, and deviations from plans. Attachment B.2 is a summary of deviations from proposed riverbank soil sample locations and actual soil sample locations. Attachment B.3 includes EPA-approved Field Change Request Forms and Attachment B.4 includes grab sample field forms and photographs.

3.1 RIVERBANK SOIL SAMPLING LOCATIONS

The results of the first phase of riverbank characterization were evaluated as part of identifying riverbank soil sampling locations. To meet the requirements of EPA's riverbank guidance and the data gaps identified in the PDI Work Plan (HGL, 2022a), HGL sampled all transects with accessible, sampleable materials. Sampleable materials were defined as soil that can be sampled using hand tools and is readily accessed or can be accessed by moving small obstructions that can be handled safely without heavy or mechanized equipment. At each transect, HGL attempted to collect riverbank soil at 3 elevations, including the TOB, OHW, and toe of the bank, where accessible, at 3 depth intervals (0 to 1 ft, 1 to 2 ft, and 2 to 3 ft) for analysis of COCs to determine if CUL, RAL or PTW threshold exceedances were present and need to be addressed as part of RD. Sample locations were determined by a licensed land surveyor demarcation of the OHW location at each transect. Samples were not collected where no potentially erodible material was exposed (e.g., behind the sheetpile along the SCC dry-dock basin from transects 011 through 021) and at or below MLW where fine-grained material was not present (e.g., armoring at MLW at transects 000 through 003, 006 and 007, 009 through 011, 023 through 029, 031 through 033, 035, 043 through -047, 049 through 052, 054 and 055, 059 through 061, 070, 105 through 111, 113 through 116, and 118 and 119).

The following summarizes the total number of samples collected and analyzed from each elevation and depth interval:

Elevation/Depth	0-1 ft	1-2 ft	2-3 ft
TOB	90	40	17
OHW	111	31	10
MLW	75	24	1
Total	276	95	28

3.2 RIVERBANK SOIL SAMPLING ACTIVITIES AND OBSERVATIONS

The following describes the riverbank soil sampling efforts and riverbank morphology observations, including relevant BEHI transect summaries, as presented in Table 2-1 and

illustrated in Figure 2-2. Riverbank soil samples were submitted for laboratory analysis as described in Section 3.5.

Project Fleet Owner LLC/Shipyard Commerce Center, 5555 N Channel Avenue

Transects 000 through 051 are adjacent to the Project Fleet Owner LLC/SCC property on Swan Island peninsula. The riverbank at transects 001 through 011 consisted of an engineered bank with rip rap below OHW and a vegetated bank above OHW in the dry-dock basin (formerly SIUF OU1). Bank angles were between 28 and 38 degrees. Samples were collected from the TOB and OHW at all locations, except transects 012 through 014 where a sheetpile wall was present. MLW (toe of slope) samples were collected at transects 004, 005, and 012 through 014 in this area adjacent to the dry-dock basin. Evidence of slope failure between OHW and TOB was observed at transect 004. Estimated BEHIs for the dry-dock riverbank are low to moderate (Table 2-1; Figure 2-2). A steel sheetpile wall was present from TOB to below MLW between transects 011 and 021. Materials that had accumulated in a vegetated area riverward of the sheetpile wall near MLW was sampled at transects 012 through 014. A sheetpile wall was present from TOB to OHW under the lagoon wharf from transects 023 to 042 adjacent to the lagoon side of Swan Island peninsula; samples under the wharf were collected at OHW at all transects and MLW at transects 022, 030, 034, and 036 to 042. Bank angles ranged from 28 to 45 degrees. Little or no vegetation was present under the wharf. Slope failure was evident at transect 038. Estimated BEHIs for the lagoon wharf area were moderate (Table 2-1; Figure 2-2). Sample depth at SCC was generally limited to the surface interval due to the extent of armoring. Slope failure was evident at transects 044 and 045 near Berth 306. Estimated BEHIs for transects 043 through 051 near Berths 306 and 307 were moderate to high (Table 2-1; Figure 2-2).

Port of Portland, 5420 N. Lagoon Avenue

The riverbank at transects 052 through 057 consisted of an engineered bank with rip rap, a wooden retaining wall structure below OHW, and a well vegetated bank above OHW (formerly SIUF OU3) on Swan Island peninsula. Bank angles ranged from 40 to 48 degrees. The hardness, size of armoring, and lack of fine-grained material limited sampling to the surface interval at the TOB and OHW. MLW was sampled only at transects 053, 056, and 057, where finer-grained materials were exposed and accessible in the rip rap voids. Estimated BEHIs for this riverbank were low to moderate (Table 2-1; Figure 2-2).

Freightliner Wind Tunnel Research and Design Facility, 5160 N. Lagoon Avenue

Transects 058 through 061 are adjacent to the Freightliner Wind Tunnel Research and Design facility on Swan Island peninsula. Rip rap is present below OHW. A wood retaining wall is present above OHW and the TOB and the bank is densely vegetated. Bank angles ranged from 42 to 50 degrees. TOB samples were not collected due to the presence of the retaining wall. Sampling was limited to surface materials at OHW and MLW due to the hardness, size of the armoring, and lack of fine-grained material. Estimated BEHIs for this riverbank were moderate to high (Table 2-1; Figure 2-2).

Anchor Park LLC, 5036 N. Lagoon Avenue

Transects 062 through 064 are adjacent to Anchor Park LLC. The riverbank was armored at transects 062 and 063, limiting sampling depth to the surface at the TOB and OHW. The bank

consisted of sand at transect 064 at the head of the basin. Samples were collected to a depth of 2 ft at MLW at the 3 transects and to a depth of 3 ft at OHW and TOB at transect 064. At low tide, a sand beach was exposed at MLW at transects 063 and 064. Bank angles were 36 degrees (transect 064) and 45 degrees (transects 062 and 063). Estimated BEHIs for this riverbank were moderate to very high (Table 2-1; Figure 2-2).

City of Portland, 3737 N. Emerson Street

Transects 065 through 070 are adjacent to the City of Portland's public boat ramp and parking property and the head of SIB. The riverbank at transects 065 to 068 consists of sand with bank angles of 20 to 32 degrees and evidence of erosion. MLW samples were collected to a depth of 2 ft and OHW and TOB samples were collected to a depth of 3 ft. At low tide, a sand beach was exposed at MLW at transects 065 through 068. Transects 069 and 070 included an engineered bank with rip rap below OHW and vegetation to the TOB with bank angles of 32 and 20 degrees, respectively. Estimated BEHIs for this riverbank were moderate to extreme (Table 2-1; Figure 2-2).

Swan Island Dock Company, 5949 E/N Basin Avenue

Transects 071 through 086 are on the Swan Island Dock Company property on the Mocks Bottom side of SIB. Surface protection ranged from 20 percent at transect 071 to 100 percent at transects 083 through 085. The riverbank is densely vegetated with bank angles of 15 to 41 degrees. Samples were generally collected to a depth of 2 ft where armoring was not present. A sand beach was exposed at MLW at low tide. Samples were generally collected to a depth of 2 ft at MLW, OHW, and TOB with some exceptions (Table 3-1). Estimated BEHIs for this riverbank were moderate to very high (Table 2-1; Figure 2-2).

ATC Leasing Company LLC, 6135 and 6147 N. Basin Avenue

Transects 087 through 092 are adjacent to ATC on the Mocks Bottom side of SIB. Surface protection was 50 percent at transect 092 to 96 percent at transect 091. The riverbank is heavily vegetated with bank angles ranging from 15 to 28 percent. Samples were generally collected to a depth of 2 ft at MLW, OHW, and TOB with some exceptions (Table 3-1). A sand beach was present along the entire riverbank in this area at low tide at MLW. Estimated BEHIs for this riverbank were high to very high (Table 2-1; Figure 2-2).

Port of Portland Dredge Base, 6208 S/N Ensign Street

Transects 093 through 102 are adjacent to the Port of Portland's Dredge Base on the Mocks Bottom side of SIB. Armoring was present below OHW with vegetation observed above OHW to TOB. Surface protection ranged from 25 percent to 75 percent. Bank angles ranged from 15 to 35 degrees. A sand and gravel beach was observed at low tide at MLW between transects 093 and 097 and at 102. Only surface samples were collected at MLW due to the presence of gravel, except at transect 102 where samples were collected to a depth of 2 ft. Most OHW and TOB samples were collected to depths of 2 to 3 ft due to the increased percentage of sand. Estimated BEHIs for this riverbank were low to very high (Table 2-1; Figure 2-2).

The Marine Consortium Inc., 6211 N. Ensign Street

Transects 103 through 111 are adjacent to the Marine Consortium Inc. The riverbank is heavily armored above and below OHW (up to 90 percent armoring) with bank angles ranging from 30 to

38 degrees. Materials could be sampled only to a depth of 1 ft in most locations due to the degree of armoring (Figure 3-1). MLW samples were not collected due to the absence of fine-grained material, except at transects 103, 104, and 110. Estimated BEHIs for this riverbank were low to moderate (Table 2-1; Figure 2-2).

U.S. Navy and Marine Reserve Center, 6735 N. Basin Avenue

Transects 112 through 120 are adjacent to USNMRC. The riverbank was armored (35 to 80 percent) and densely vegetated. Bank angles ranged from 30 to 38 degrees. The amount of armoring and absence of fine-grained materials limited sampling at most locations to the 0 to 1-ft interval with a few exceptions where finer-grained materials were present (Table 3-1). MLW samples were not collected due to the amount of armoring, except at transects 112 and 117. A sand beach was exposed near transect 112 at low tide at MLW. OHW samples were not collected at transects 113 and 116 due to the increased amount of armoring. Estimated BEHIs for this riverbank were low to moderate (Table 2-1; Figure 2-2).

U.S. Coast Guard Marine Safety Unit, 6767 N. Basin Avenue

Transects 121 through 125 are adjacent to the U.S. Coast Guard Marine Safety Unit. Armoring ranged from 0 to 70 percent. It was densely vegetated above OHW. A sand beach was exposed between transects 121 and 125 at low tide at MLW. Bank angles ranged from 30 to 36 degrees. Most samples were collected at the surface interval due to the presence rip rap. Estimated BEHIs for this riverbank were low to high (Table 2-1; Figure 2-2).

3.3 ARCHIVE SAMPLE ANALYSIS

Deeper samples (1-2 and/or 2-3 ft intervals) were collected from 56 transects (Table 3-1). Armoring prevented sample collection at the remaining transects. The deeper samples were initially archived pending receipt of the analytical results for the surface samples. Because most of the surface samples contained at least one CUL exceedance, the available corresponding deeper samples were analyzed to assess the vertical extent of exceedances.

3.4 FIELD QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

Field quality assurance (QA)/quality control (QC) samples were collected with the surface and subsurface sediment samples as specified in Worksheet #20 of the Uniform Federal Policy (UFP)-Quality Assurance Project Plan (QAPP) (HGL, 2022a). Field duplicate and matrix spike (MS)/matrix spike duplicate (MSD) pairs were collected at a rate of approximately 1 per 20 samples. Equipment blanks (EBs) were collected at a rate of approximately one per week and were performed by pouring deionized water over core liners, sampling bowls, and spoons after field decontamination. Note that this is a revision from the specified frequency for EB collection at a rate of 1 per 20 samples, which EPA approved per Field Change Request #8 (HGL, 2022c), which is included in Attachment B.3. Field duplicates, MS/MSD samples, and EBs were collected and shipped to analytical laboratories with a temperature blank. Overall, 5 field duplicates, 20 EBs, and 20 MS/MSD samples were collected. Attachment B.1 provides a summary of collected QA/QC samples and associated parent samples.

3.5 RIVERBANK SOIL CHEMISTRY TESTING

Riverbank soil samples were analyzed for Table 17 COCs with CULs for erodible soil to delineate the horizontal and, to the extent possible, vertical extent of CUL, RAL or PTW exceedances. A total of 276 surface samples (of a proposed total of 286 samples) were collected and analyzed.

Table 3-1 provides a summary, by location, of riverbank soil samples submitted for laboratory analysis. Attachment B.1 provides a complete accounting of samples and sample identifications with analyses performed, QA samples collected, and the associated parent sample information. The analytical laboratories and analyses are as follows:

- ALS Environmental (ALS) in Kelso, Washington – organochlorine pesticides, PAHs, bis(2-ethylhexyl)phthalate (BEHP), total petroleum hydrocarbons (TPH) as diesel range and residual range organics, tributyltin, and total organic carbon;
- Analytical Resources, LLC (ARI) in Tukwila, Washington – PCBs as Aroclors and metals/mercury; and
- Cape Fear Analytical, LLC (CFA) in Wilmington, North Carolina – PCDD/PCDF and PCBs as congeners.

The analytes include the Portland Harbor riverbank soil focused-COCs and COCs specified in Tables 17 and 21 of the ROD (EPA, 2017) and subsequent errata (EPA, 2020). Details of the analytical chemistry work are described in the following UFP-QAPP worksheets (HGL, 2022a):

- Analytes, analytical methods, and laboratories (Worksheet #15 and Worksheets #19 and #30);
- Sample containers, preservation, and hold times (Worksheets #19 and #30); and
- Detection and reporting limits (Worksheet #15).

3.6 DATA MANAGEMENT

The UFP-QAPP Worksheet #35 describes the data verification process used to create the project database. In short, the laboratory analytical data were reported by analytical laboratories in an Electronic Data Deliverable[5] that is compatible with the Environmental Quality Information System data management program using the valid values presented in Appendix A of the Program Data Management Plan (EPA, 2021b).

Following data validation, rules for data averaging and treatment of non-detected values were applied and results requiring reporting as totals were calculated in accordance with Sections 6 and 7, respectively, of the Program Data Management Plan (EPA, 2021b) and imported into the project database.

[5] The reporting limit was set to the method detection limit (or estimated detection limit for PCDDs/PCDFs) in the laboratory Electronic Data Deliverables; however, the analytical data packages (Attachment C.3) also include other laboratory limits such as method reporting limit, limit of detection, limit of quantitation, practical quantitation limit.

3.7 DATA VALIDATION

The UFP-QAPP Worksheet #36 describes the data validation procedures used by third-party contractors to verify and validate analytical data. The following list of contractors describes the division of labor for laboratory sample delivery groups (SDGs):

- Ecochem, Inc., performed data validation on SDGs from CFA and ARI;
- EDS Environmental Services performed data validation on SDGs from ALS; and
- Meridian performed data validation on SDGs from CFA and ALS.

SDGs representing 90 percent of the results received Stage 2A data validation. The remaining SDGs representing 10 percent of the results received Stage 4 validation. Data validation included evaluation of performance criteria and formulas used to evaluate data quality are presented in UFP-QAPP Worksheet #12, with the accuracy and sensitivity requirements presented on an analyte- and matrix-specific basis in the UFP-QAPP Worksheet #15 tables (HGL, 2022a).

3.8 DATA QUALITY AND USABILITY

The UFP-QAPP Worksheet #37 Data Usability Assessment provides guidelines for evaluating field investigation and laboratory compliance with the requirements listed in the UFP-QAPP and other project planning documents. Compliance with laboratory testing procedures, performance criteria, data validation, and data management are provided in Sections 3.6 and 3.7. As documented in those sections, samples were collected, analyzed, and managed in compliance with laboratory testing criteria, and are acceptable for use in source control sufficiency assessment and RD development.

3.8.1 Detection and Reporting Limits Compared to Project Action Limits

Table 3-2 presents a summary of the percent of detections; percent of non-detections; and detections exceeding CULs, RALs/practical quantitation limits (PQLs), and PTW thresholds. The UFP-QAPP referred to CULs, RALs, and PTW thresholds collectively as Project Action Limits (PALs) and provided sensitivity limits (Method Detection Limit [MDL] and Practical Quantitation Limit [PQL]) and PALs in Worksheet #15 tables. As described in the UFP-QAPP, the laboratory MDLs[6] are less than the lowest PAL for an analyte because the analytical methods selected to support this project are the most sensitive methods commercially available in standard use.

EPA published the memorandum "Evaluation of consistently and reliably attainable practical quantitation limits for 2,3,7,8-TCDD and 1,2,3,7,8-PeCDD for use in Sediment Management Area delineation at the Portland Harbor Superfund Site" dated September 16, 2022 (EPA, 2022). EPAs evaluation found that analytical labs can meet the PQLs of 1 picogram per gram (pg/g) for 2,3,7,8-TCDD and 2.5 pg/g for 1,2,3,7,8-PeCDD. The UFP-QAPP PQLs listed in Worksheet #15.9A are 1 pg/g for 2,3,7,8-TCDD and 5.0 pg/g for 1,2,3,7,8-PeCDD, which are higher than the levels EPA found to be reliably attainable. The EPA-prescribed PQL values are used in place of the RALs for 2,3,7,8-TCDD and 1,2,3,7,8-PeCDD (EPA, 2022).

[6] Estimated detection limits for PCDD/PCDFs by EPA Method 1613B.

In practice, due to several factors including matrix effects and blank contamination, target MDLs may not always be attainable. For delineating the nature and extent of contamination, the important consideration for data usability is the frequency of non-detects above PALs. Importantly for non-detect results, the reporting limits are lower than the PALs with following exceptions (percentages): dieldrin (100 percent), 1,2,3,4,7,8-HxCDF (22 percent), 1,2,3,7,8-PeCDD (74 percent), 2,3,4,7,8-PeCDF (55 percent), 2,3,7,8-TCDF (62 percent), 2,3,7,8-TCDD (74 percent), BEHP (2 percent), and TPH diesel (0.4 percent). The reporting limits exceeded PQLs for 1,2,3,7,8-PeCDD and 2,3,7,8-TCDD in 5.3 percent and 6.3 percent of the results, respectively. The reporting limits for these same analytes exceeded PTW thresholds in 5.3 percent and 2.6 percent of samples, respectively. This means the data have appropriate reporting limits relative to PALs for delineating the extent of the contamination.

Other than the exceptions listed above, non-detect results were below PALs. The occurrence of elevated non-detects are noted here because they require additional data treatment methods (e.g., substituting a value for non-detect results such as ½ detection limit) prior to data analysis. Except for dieldrin, most of the elevated reporting limits are due to matrix effects and blank contamination.

The MDL for dieldrin in the riverbank soil samples was elevated above the MDL of 0.011 micrograms per kilogram (µg/kg) listed in the UFP-QAPP, by up to a factor of 65, depending on sample-specific conditions such as subsample size and percent moisture. The elevated reporting limit was due to the nominal mass extracted for solid samples being one-quarter of the mass that was indicated in the laboratory's standard operating procedure included in the UFP-QAPP. The laboratory indicated the discrepancy was due to difficulties in analyzing pesticides from PHSS samples using their normal extraction mass due to the potential for column contamination.

The laboratory stored the samples in a freezer and all samples were still within their holding times when this discrepancy was discovered. HGL identified specific samples where the presence of dieldrin may be a driver, primarily locations with no other COCs detected above PALs, and instructed the laboratory to re-extract and reanalyze a limited list of soil samples. The laboratory reanalyzed and reported the results from these samples from extractions performed using the standard sample mass indicated in the standard operating procedure; however, the laboratory did not use the MDL of 0.011 µg/kg. The reextracted analyses were reported using an MDL of 0.077 µg/kg, modified by up to approximately 50 percent, in some cases depending on sample-specific conditions. Although these MDLs were elevated above the CUL of 0.07 µg/kg, the results were close enough to the CUL for use during development of the RD.

3.8.2 Completeness of Locations

The field investigation achieved the location completeness target of 90 percent for surface soil (0 to 1 ft) sampling, with the collection of 276 out of 286 proposed samples for an overall completeness of 96.5 percent. As discussed in Section 3.1, samples were not collected where no potentially erodible material was exposed (e.g., behind sheetpile) and at or below MLW where fine-grained material was not present (e.g., armoring). For the TOB elevation, 90 out of 95 proposed samples were collected, for an overall completeness of 95 percent. Six planned TOB locations had no sampleable materials and one TOB location that was not planned was identified as sampleable. For the OHW elevation, 111 out of 116 proposed samples were collected, for an

overall completeness of 96 percent. Six planned OHW locations had no sampleable materials and one OHW location that was not planned was identified as sampleable. For the MLW elevation, 75 of 75 proposed samples were collected, for an overall completeness of 100 percent. However, there were 21 unplanned locations that were identified as sampleable, and 21 planned MLW locations had no sampleable materials. Per the Riverbank Sampling Plan (HGL, 2022b), sampleable materials are defined as soil that can be sampled using hand tools and is readily accessed or can be accessed by moving small obstructions that can be handled safely without heavy or mechanized equipment.

At each location where a surface soil (0 to 1 ft) sample was collected, HGL attempted to collect subsurface samples from two depths (1 to 2 ft and 2 to 3 ft) to hold in archive and analyze on a location-specific basis, as needed, based on the extent of surface sample exceedances. Out of 276 possible samples at each depth interval, sampleable material in the 1-to 2-ft depth interval was only identified at 95 locations, for an overall completeness of 34 percent. Sampleable material in the 2- to 3-ft depth interval was only identified at 28 locations, for an overall completeness of 10 percent. In terms of vertical bounding of contamination, RAL/PQL exceedances were detected at 150 surface soil locations, therefore location-specific completeness (number of samples analyzed out of 152 surface soil locations with RAL/PQL exceedances) was 63 percent and 19 percent for the 1- to 2-ft and 2- to 3-ft depth intervals, respectively.

The lack of riverbank subsurface soil data does not represent a substantial data gap. The data set is usable for decision-making in accordance with the project data quality objectives and completeness goals based on the overall completeness of the surface soil sampling program.

3.8.3 Qualified and Rejected Data

Riverbank soil data were validated in accordance with the UFP-QAPP (HGL, 2022a) by HGL chemists and subcontracted data validation firms. As a result of validation, data qualifiers were applied to sample results due to sampling and analysis discrepancies. The data qualifiers include the following:

- R: The result is unusable. The result is rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.
- UJ: The analyte was analyzed for but was not detected. The associated value is approximate and may be inaccurate or imprecise. The associated value is the adjusted MDL or the reported concentration (results qualified as artifacts due to blank contamination).
- U: The analyte was analyzed for but was not detected above the level of the adjusted MDL or the reported concentration (results qualified as artifacts due to blank contamination).
- J: The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- (no qualifier): The result is a detection above the reporting limit and is not affected by any QC discrepancies.

Note that the U and J qualifiers may be applied as a result of a QC issue but may also be applied to results to denote the quantitation. Non-detected results are reported with a U qualifier, which indicates a non-detection at the MDL. Detected results at or above the adjusted MDL but below

the RL are reported with a J qualifier. In both cases, the data have the applicable qualifier applied by the laboratory even in the absence of a QC issue and these qualifiers are retained as reported by the laboratory unless superseded by a more severe qualifier.

The final reduced riverbank soil sample data set includes 34,420 results for target analytes. Of these results, seven were rejected and qualified R during the data validation process and the riverbank soil data set used for decision-making is 99.980% complete. The seven rejected results included the following:

- 6 non-detected Aroclor results rejected for extremely low recovery in an MS and/or MSD
- 1 non-detected 1,2,3,7,8,9-HxCDF result rejected due to an extremely low recovery in the corresponding labeled standard.

An additional nine non-detected Aroclor results reported for sample SIB-088-MLW-0-1-10102022 were rejected in the data validation process; however, this sample is paired with a field duplicate sample that did not have any rejected Aroclor results. During the data reduction process, the field duplicate Aroclor results were used as the definitive results for this sample location and the rejected results do not constitute a data gap.

The rejected results in the riverbank soil data set do not represent substantial data gaps and the data set is usable for decision-making in accordance with the project data quality objectives and completeness goals.

3.8.4 Total PCBs by Aroclor Method

In the EPA RD guidelines and considerations, the preferred method of estimating total PCB concentrations is to sum concentrations of individual congeners using a high-resolution method like EPA Method 1668 (EPA, 2021c). However, the guidance also states that the PCB Aroclor method is acceptable when the reporting limit for each Aroclor is less than 9 µg/kg, which is the total PCB CUL. As documented in the UFP-QAPP, ARI's MDLs and PQLs are below 9 µg/kg for individual Aroclors. In practice, 100 percent of the individual Aroclor results have reporting limits less than 9 µg/kg.

PCB Aroclors analytical methods have been used extensively in existing EPA-approved data sets for the SIB Project Area and PHSS. In EPA's RD guidelines (EPA, 2021c), the rationale supporting analyzing for PCBs as Aroclors is based on a comparative analysis of sediment data collected during the Remedial Investigation. EPA concluded that PCB congener-specific and Aroclor methods "generally produce similar concentration results" (EPA, 2021c).

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4.0 RIVERBANK SOIL INVESTIGATION RESULTS

This section summarizes riverbank soil analytical results and spatial distribution of riverbank soil sample collection efforts. A table of the full results is included in Attachment C.1. Data validation reports and analytical data packages containing full results for each sample are presented in Attachments C.2 and C.3, respectively.

One of the primary goals of riverbank soil sampling and analysis was to identify areas where contaminant concentrations exceed CULs, RALs, and PTW thresholds. Table 4-1 presents ROD Table 17 CUL and ROD Table 21 RAL (or PQL) and PTW threshold exceedances by analyte and Table 4-2 presents the most conservative chemical CUL, RAL/PQL, and PTW threshold exceedances by transect. Table 4-3 presents all CUL, RAL/PQL, and PTW threshold exceedances by individual samples collected. Figures 4-1 through 4-3 illustrate the extent of CUL, RAL/PQL, and PTW threshold exceedances.

4.1 CONCENTRATIONS LESS THAN CLEANUP LEVELS

Of the 276 **s**urface (0-1 ft interval) samples analyzed, analytical concentrations were less than ROD CULs in 8 samples (3 percent) (Figure 4-1). Of the 123 deeper samples analyzed, analytical concentrations were less than ROD CULs in 10 of 95 samples (11 percent) in the 1-2 ft interval and 8 of 28 samples (29 percent) in the 2-3 ft interval.

4.2 CONCENTRATIONS EXCEEDING CLEANUP LEVELS

Of the 276 surface (0-1 ft interval) samples analyzed, concentrations exceeded CULs in 268 samples **(**97 percent) (Figure 4-1, Table 4-3). Of the 123 deeper interval samples analyzed**,** 85 of 95 samples in the 1-2 ft interval (89 percent) and 20 of 28 samples in the 2-3 ft interval (71 percent) had concentrations that were detected above CULs, for a total of 105 out of 123 deeper interval samples with CUL exceedances (85 percent) (Figure 4-1, Table 4-3).

The following table provides a summary of the number of samples where select analytes were detected at concentrations that exceeded ROD CULs but did not exceed relevant RALs/PQLs or PTW thresholds, by elevation (TOB, OHW, MLW) and depth interval (Section 3.1).

1,2,3,4,7,8-HxCDF	0-1	1-2	2-3	Mercury	0-1	1-2	2-3
TOB	86	32	14	TOB	36	10	7
OHW	100	22	2	OHW	39	7	1
MLW	43	8	0	MLW	13	4	0
1,2,3,7,8-PeCDD	0-1	1-2	2-3	BEHP	0-1	1-2	2-3
TOB	45	23	8	TOB	39	3	1
OHW	44	18	1	OHW	40	3	0
MLW	19	9	0	MLW	16	1	0
2,3,4,7,8-PeCDF	0-1	1-2	2-3	TPH-Diesel	0-1	1-2	2-3
TOB	79	31	13	TOB	4	0	0
OHW	88	21	4	OHW	9	1	0
MLW	51	9	0	MLW	11	1	0

2,3,7,8-TCDD eq	0-1	1-2	2-3	Chlordanes	0-1	1-2	2-3
TOB	43	11	1	TOB	33	4	0
OHW	70	8	2	OHW	28	3	0
MLW	23	2	0	MLW	14	0	0
2,3,7,8-TCDF	**0-1**	**1-2**	**2-3**	**DDx**	**0-1**	**1-2**	**2-3**
TOB	68	22	8	TOB	31	6	1
OHW	64	16	2	OHW	32	1	0
MLW	32	7	0	MLW	11	0	0
2,3,7,8-TCDD	**0-1**	**1-2**	**2-3**	**PCBs**	**0-1**	**1-2**	**2-3**
TOB	35	6	2	TOB	30	21	7
OHW	21	4	1	OHW	46	15	1
MLW	9	1	0	MLW	30	11	0
Arsenic	**0-1**	**1-2**	**2-3**				
TOBs	70	26	9				
OHW	66	10	1				
MLW	52	16	1				

Notes:
DDx = dichlorodiphenyldichloroethane + dichlorodiphenyldichloroethylene + dichlorodiphenyltrichloroethane

4.3 CONCENTRATIONS EXCEEDING REMEDIAL ACTION LEVELS

Of the 276 surface (0-1 ft interval) samples analyzed, 150 samples (54 percent) had concentrations that were detected exceeding RALs/PQLs (Figure 4-2, Table 4-3). Most of these exceedances were detected at OHW (66 samples) and TOB (61 samples). ROD COC concentrations exceeded RALs/PQLs at 102 of the 119 transects sampled (86 percent). The areas without exceedances were primarily along the head of the basin and the east side of SIB (Figure 4-2).

Of the 123 deeper samples analyzed, 26 of 95 samples in the 1-2 ft interval (27 percent) and 8 of 28 samples in the 2-3 ft interval (29 percent) had concentrations that were detected above RALs/PQLs, for a total of 34 out of 123 deeper interval samples with RAL/PQL exceedances (28 percent) (Figure 4-2, Table 4-3).

The following table provides a summary of the number of samples where analytes were detected at concentrations that exceeded ROD RALs (or PQLs) but did not exceed relevant PTW thresholds, by elevation (TOB, OHW, MLW) and depth interval (Section 3.1).

1,2,3,7,8-PeCDD	0-1	1-2	2-3	DDx	0-1	1-2	2-3
TOB	27	6	1	TOB	2	0	0
OHW	27	4	1	OHW	1	0	0
MLW	12	2	0	MLW	0	0	0
2,3,7,8-TCDD	**0-1**	**1-2**	**2-3**	**PCB**	**0-1**	**1-2**	**2-3**
TOB	9	3	1	TOB	40	9	6
OHW	13	2	0	OHW	33	6	1
MLW	3	0	0	MLW	9	0	0

4.4 CONCENTRATIONS EXCEEDING PRINCIPAL THREAT WASTE THRESHOLDS

Of the 276 surface samples analyzed, 65 samples had concentrations that were detected above PTW thresholds (24 percent) (Figure 4-3). Most of these exceedances were detected at OHW (31 samples) and TOB (21 samples). ROD COC concentrations exceeded PTW thresholds at 54 of the 119 transects sampled (45 percent). The areas without exceedances were primarily along the head of the basin and the east side of SIB (Figure 4-3, Table 4-3).

Of 123 deeper samples analyzed, 6 of 95 samples had concentrations that were detected above PTW thresholds from the 1-2 ft interval (6 percent). No PTW threshold exceedances were detected in the 28 samples collected from the 2-3 ft interval.

The following table provides a summary of the number of samples where analytes were detected at concentrations that exceeded ROD PTW thresholds, by elevation (TOB, OHW, MLW) and depth interval (Section 3.1).

1,2,3,4,7,8-HxCDF	0-1	1-2	2-3
TOB	0	0	0
OHW	8	0	0
MLW	5	0	0

1,2,3,7,8-PeCDD	0-1	1-2	2-3
TOB	6	1	0
OHW	11	0	0
MLW	3	0	0

2,3,4,7,8-PeCDF	0-1	1-2	2-3
TOB	0	0	0
OHW	3	0	0
MLW	1	0	0

2,3,7,8-TCDD	0-1	1-2	2-3
TOB	1	0	0
OHW	1	0	0
MLW	0	0	0

PCBs	0-1	1-2	2-3
TOB	16	5	0
OHW	23	0	0
MLW	11	0	0

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5.0 CONCLUSIONS

Analysis of surface and subsurface riverbank soil samples was completed in accordance with the PDI Work Plan (HGL, 2022a). Collected samples that were not analyzed during initial analysis were archived. As documented in Section 3.0, samples were collected, analyzed, managed, and validated in compliance with laboratory testing criteria, and the data are acceptable for use in source control sufficiency assessment and RD development.

Riverbank soil sampling transects were evenly spaced at 100-ft intervals across the entire riverbank within the SIB Project Area, allowing for sufficient lateral delineation of COC concentrations. Based on sample results for the 399 sample intervals collected from 276 locations, CUL, RAL/PQL, and/or PTW threshold exceedances were detected at 146 of 147 TOB samples (99 percent), 149 of 152 OHW samples (98 percent), and 100 of 100 MLW samples (100 percent).

The concentrations of ROD COCs in riverbank areas adjacent to sediment management areas dictate how they are to be addressed as part of the RD to control this source of potential recontamination as described in *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (EPA, 2019). In accordance with the guidance, concentrations are used to screen riverbanks, but COC loading estimates (i.e., COC concentrations combined with erosion rates) will be used to determine recontamination risk and inform selection of remedial technologies for riverbank soils.

The RD will include measures to remediate (i.e., stabilize via capping and/or excavation) riverbanks within the SIB Project Area identified as needing remedial action. These riverbanks will be determined based on the combined results of the first and second phases of the riverbank evaluation in accordance with the criteria specified in the ROD. Though bounding of the vertical extent of COCs was limited, the surficial extent of COCs will be used in conjunction with other PDI data to develop a compliant RD and will be further evaluated in the Basis of Design Report. The selected remedy for riverbanks will minimize erosion and transport of riverbank materials contaminated above CULs, thereby minimizing recontamination potential via this pathway. Remedies that propose alteration of any riverbank will be discussed and coordinated with shoreline property owners during the RD.

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6.0 REFERENCES

Ash Creek Associates, Inc. (Ash Creek). 2012. *Riverbank Soil Sampling Results - Operable Unit 3, Swan Island Upland Facility, Portland, Oregon.* Prepared for the Port of Portland, Portland, Oregon. February 22.

Ash Creek. 2013. *Source Control Evaluation [for] Operable Unit 1, Swan Island Upland Facility, Portland, Oregon*. Prepared for the Port of Portland, Portland, Oregon. February 20.

City of Portland, 2019. LiDAR. At URL: https://www.portlandmaps.com/arcgis/rest/services/Public/COP_LiDAR_2019_1ft_BE_DEM_WS/ImageServer.

HydroGeoLogic, Inc. (HGL), 2021a. *Draft Sufficiency Assessment Report*. Remedial Design Services, Swan Island Basin Project Area, Portland Harbor Superfund Site, Portland, Multnomah County, Oregon. June 29.

HGL, 2021b. *Stormwater and Riverbank Assessment and Sampling Plan, Revision 1*, Remedial Design Services, Swan Island Basin Project Area, Portland Harbor Superfund Site, Portland, Multnomah County, Oregon. Revision 2. November.

HGL, 2022a. *Pre-Design Investigation Work Plan, Revision 3*, Remedial Design Services, Swan Island Basin Project Area, Portland Harbor Superfund Site, Portland, Multnomah County, Oregon. Revision 3. May.

HGL, 2022b. *Riverbank Sampling Plan, Revision 1*. Remedial Design Services, Swan Island Basin Project Area, Portland Harbor Superfund Site, Portland, Multnomah County, Oregon. Revision 1. October.

HGL, 2022c. *Field Change Request No. 08 - Sediment Sampling.* CERCLA Docket No. 10- 2021-001. July 21.

Oregon Department of Environmental Quality (DEQ), 2013. Final Source Control Decision Operable Unit 03 – Swan Island Upland Facility, ECSI Site ID # 271. From D. Lacey and J. Anderson, ODEQ, Northwest Region, Portland, Oregon, to R. Muza, United States Environmental Protection Agency Region 10, Seattle, Washington. April 4.

DEQ, 2014. Operable Unit 01 - Swan Island Upland Facility Site ID # 271 - Final Source Control Decision. From D. Lacey and K. Johnson, ODEQ, Northwest Region, Portland, Oregon, to Swan Island Upland Facility File #271. November 24.

Rosgen, D., 2001. *A Practical Method of Computing Streambank Erosion Rate.*

Rosgen, D., 2014. River Stability Field Guide, Wildland Hydrology.

U. S. Environmental Protection Agency (EPA), 2017. *Record of Decision*, Portland Harbor Superfund Site, Portland Oregon. United States Environmental Protection Agency Region 10, Seattle, Washington. January.

EPA, 2019. *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site*, Portland, Oregon. September 10.

EPA, 2020. *Errata #2 for Portland Harbor Superfund Site Record of Decision Table 17*. Memorandum from Sean Sheldrake to Portland Harbor Site File. January 14.

EPA, 2021a. *Administrative Settlement Agreement and Order on Consent for Remedial Design*. Swan Island Basin Project Area, CERCLA Docket No. 10-2021-001 - 7, Region 10. January 20.

EPA, 2021b. *Program Data Management Plan: Portland Harbor Remedial Design Investigation* - Portland Harbor Superfund Site. October.

EPA, 2021c. *Remedial Design Guidelines and Considerations*, Portland Harbor Superfund Site. Portland, Oregon. April 23.

EPA, 2022. *Evaluation of consistently and reliably attained practical quantitation limits for 2,3,7,8-TCDD and 1,2,3,7,8-PeCDD for use in Sediment Management Area delineation at the Portland Harbor Superfund Site*. Memorandum from Portland Harbor Remedial Project Managers, Superfund and Emergency Management Division to Portland Harbor Site File. September 16.

TABLES

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Table 2-1
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-000	SIB-001	SIB-002	SIB-003	SIB-004	SIB-005	SIB-006	SIB-007	SIB-008	SIB-009	SIB-010	SIB-011	SIB-012	SIB-013	SIB-014
Study Bank Height to Bankfull Height Ratio	2.36	2.56	2.48	2.74	2.68	2.65	2.65	2.68	3.00	3.03	2.99	2.27	Sheetpile Wall from Top of Pier to below MLW		2.39
BEHI	8.4	8.7	8.6	8.9	8.7	8.7	8.7	8.7	9.4	9.4	9.4	8.3			8.5
Root Depth to Study Bank Height Ratio	0	0.2	0.12	0.04	0.19	0.19	0.19	0.19	0.10	0.10	0.10	0.13			0.04
BEHI	9.8	7.2	8.3	9.2	7.4	7.4	7.4	7.4	8.5	8.5	8.5	8.3			8.9
Weighted Root Density	0	2.9458	3.64964	0.3668	3.7509	5.6904	9.4841	9.3773	3.0141	2.98408	3.02419	3.98936			0.63131
BEHI	9.8	9.5	9.6	9.7	9.5	9.4	8.7	8.7	9.5	9.5	9.5	9.5			9.8
Bank Angle	38	38	38	38	38	32	28	32	28	28	32	38			38
BEHI	2.8	2.8	2.8	2.8	2.8	2.5	2.3	2.5	2.3	2.3	2.5	2.8			2.8
Surface Protection	95%	60%	50%	50%	50%	40%	70%	70%	50%	60%	70%	70%			95%
BEHI	0.5	3.5	4.2	4.2	4.2	5	2.8	2.8	4.2	3.5	2.8	2.8			0.5
Total BEHI Score	31.3	31.7	33.5	34.8	32.6	33	29.9	30.1	33.9	33.2	32.7	31.7			30.5
Bank Material Adjustment (Cobbles -10)	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10			-10
Total BEHI with Adjustment	21.3	21.7	23.5	24.8	22.6	23.0	19.9	20.1	23.9	23.2	22.7	21.7			20.5
BEHI Adjective Rating	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Low		Moderate

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-1 (continued)
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-015	SIB-016	SIB-017	SIB-018	SIB-019	SIB-020	SIB-021	SIB-022	SIB-023	SIB-024	SIB-025	SIB-026	SIB-027	SIB-028	SIB-029	SIB-030
Study Bank Height to Bankfull Height Ratio	Sheetpile Wall from Top of Pier to below MLW							2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
BEHI								8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Root Depth to Study Bank Height Ratio								0	0	0	0	0	0	0	0	0
BEHI								9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Weighted Root Density								0	0	0	0	0	0	0	0	0
BEHI								9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Bank Angle								32	32	38	38	38	32	32	32	32
BEHI								2.4	2.4	2.8	2.8	2.8	2.5	2.5	2.5	2.5
Surface Protection								95%	90%	90%	80%	90%	90%	90%	90%	90%
BEHI								0.5	1	1	1.8	1	1	1	1	1
Total BEHI Score								30.8	31.3	31.7	32.5	31.7	31.4	31.4	31.4	31.4
Bank Material Adjustment (Cobbles -10)								-10	-10	-10	-10	-10	-10	-10	-10	-10
Total BEHI with Adjustment								20.8	21.3	21.7	22.5	21.7	21.4	21.4	21.4	21.4
BEHI Adjective Rating	Low		Low		Low		Low	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-1 (continued)
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-031	SIB-032	SIB-033	SIB-034	SIB-035	SIB-036	SIB-037	SIB-038	SIB-039	SIB-040	SIB-041	SIB-042	SIB-043	SIB-044
Study Bank Height to Bankfull Height Ratio	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.46	2.47
BEHI	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.5	8.5
Root Depth to Study Bank Height Ratio	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0.12
BEHI	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.3	8.3
Weighted Root Density	0	0	0	0	0	0	0	0	0	0	0	0	4.9060	3.6645
BEHI	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.4	9.6
Bank Angle	32	32	32	32	32	28	45	45	45	45	45	45	48	48
BEHI	2.5	2.5	2.5	2.5	2.5	2.3	3	3	3	3	3	3	3.4	3.4
Surface Protection	80%	80%	90%	90%	90%	75%	15%	15%	20%	30%	30%	30%	30%	25%
BEHI	1.8	1.8	1	1	1	2.3	7.5	7.5	7.5	5.8	5.8	5.8	5.8	6.4
Total BEHI Score	32.2	32.2	31.4	31.4	31.4	32.5	38.4	38.4	38.4	36.7	36.7	36.7	35.4	36.2
Bank Material Adjustment (Cobbles -10)	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Total BEHI with Adjustment	22.2	22.2	21.4	21.4	21.4	22.5	28.4	28.4	28.4	26.7	26.7	26.7	25.4	26.2
BEHI Adjective Rating	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-1 (continued)
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-045	SIB-046	SIB-047	SIB-048	SIB-049	SIB-050	SIB-051	SIB-052	SIB-053	SIB-054	SIB-055	SIB-056	SIB-057	SIB-058
Study Bank Height to Bankfull Height Ratio	2.50	2.63	2.64	2.51	2.56	2.50	2.50	2.53	2.46	2.49	2.49	2.54	2.52	2.55
BEHI	8.5	8.7	8.7	8.7	8.7	8.5	8.5	8.7	8.5	8.5	8.5	8.7	8.6	8.7
Root Depth to Study Bank Height Ratio	0.12	0.08	0.08	0.04	0.12	0.04	0.12	0.12	0.41	0.40	0.08	0.04	0.04	0.04
BEHI	8.3	8.6	8.6	8.9	8.3	8.9	8.3	8.3	4.7	4.7	8.6	8.9	8.9	8.9
Weighted Root Density	1.2068	5.3517	5.3313	2.40385	5.8916	3.0169	6.0338	5.9618	30.662	30.291	4.0388	1.1877	1.1971	1.5773
BEHI	9.7	9.4	9.4	9.6	9.4	9.5	9.4	9.4	6	5.9	9.3	9.7	9.7	9.7
Bank Angle	45	45	45	45	45	40	40	40	48	48	40	45	45	45
BEHI	3	3	3	3	3	2.8	2.8	2.8	3.4	3.4	2.8	3	3	3
Surface Protection	25%	50%	70%	40%	45%	65%	70%	50%	90%	90%	40%	40%	40%	35%
BEHI	6.4	4.2	2.8	5	4.5	3.3	2.8	4.2	1	1	5	5	5	5.5
Total BEHI Score	35.9	33.9	32.5	35.2	33.9	33	31.8	33.4	23.6	23.5	34.2	35.3	35.2	35.8
Bank Material Adjustment (Cobbles -10)	0	-5	-5	-5	-5	-5	-10	-10	-10	-10	-10	-10	-10	-10
Total BEHI with Adjustment	35.9	28.9	27.5	30.2	28.9	28.0	21.8	23.4	13.6	13.5	24.2	25.3	25.2	25.8
BEHI Adjective Rating	High	Moderate	Moderate	High	Moderate	Moderate	Moderate	Moderate	Low	Low	Moderate	Moderate	Moderate	Moderate

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-1 (continued)
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-059	SIB-060	SIB-061	SIB-062	SIB-063	SIB-064	SIB-065	SIB-066	SIB-067	SIB-068	SIB-069	SIB-070	SIB-071	SIB-072
Study Bank Height to Bankfull Height Ratio	2.57	2.65	2.51	2.65	2.63	2.58	2.34	2.07	2.15	2.10	2.07	2.20	2.18	2.46
BEHI	8.7	8.7	8.6	8.7	8.7	8.7	8.4	8.0	8.2	8.2	8.1	8.3	8.3	8.5
Root Depth to Study Bank Height Ratio	0.20	0.11	0.04	0.38	0.38	0.19	0.04	0.15	0.05	0.14	0.15	0.14	0.46	0.41
BEHI	7.2	8.4	8.9	4.8	4.8	7.4	8.9	7.8	8.9	7.7	7.8	7.7	4.3	4.7
Weighted Root Density	8.80282	8.53566	3.00481	36.040	36.315	16.563	2.3646	7.2957	1.8727	2.8763	5.1070	6.8619	13.850	20.442
BEHI	8.8	8.8	9.5	5.2	5.2	7.4	9.6	8.9	9.8	9.7	9.4	9.2	7.8	7.1
Bank Angle	50	50	42	45	45	36	32	32	27	30	32	20	24	28
BEHI	3.4	3.4	3	3	3	2.7	2.5	2.5	2.3	2.5	2.5	1.9	2.2	2.3
Surface Protection	75%	50%	85%	95%	85%	40%	55%	40%	20%	30%	30%	50%	20%	30%
BEHI	2.3	4.2	1.3	0.5	1.3	5	3.8	5	7.1	5.8	5.8	4.2	7.1	5.8
Total BEHI Score	30.35	33.5	31.3	22.2	23	31.2	33.2	32.2	36.3	33.9	33.6	31.3	29.7	28.4
Bank Material Adjustment (Cobbles -10)	-5	-5	-10	0	0	10	10	10	10	10	10	-10	10	10
Total BEHI with Adjustment	25.4	28.5	21.3	22.2	23.0	41.2	43.2	42.2	46.3	43.9	43.6	21.3	39.7	38.4
BEHI Adjective Rating	Moderate	Moderate	Moderate	Moderate	Moderate	Very High	Very High	Very High	Extreme	Very High	Very High	Moderate	Very High	High

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-1 (continued)
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-073	SIB-074	SIB-075	SIB-076	SIB-077	SIB-078	SIB-079	SIB-080	SIB-081a	SIB-081b	SIB-082	SIB-083	SIB-084	SIB-085
Study Bank Height to Bankfull Height Ratio	2.39	2.39	2.27	2.29	2.43	2.24	2.34	2.49	1.65	2.75	2.89	2.27	2.73	2.54
BEHI	8.5	8.5	8.3	8.3	8.5	8.3	8.4	8.5	6.6	8.8	9.0	8.3	8.8	8.6
Root Depth to Study Bank Height Ratio	0.42	0.42	0.44	0.44	0.41	0.45	0.43	0.40	0.06	0.04	0.35	0.19	0.18	0.40
BEHI	4.7	4.7	4.6	4.6	4.7	4.3	4.4	4.7	8.8	8.9	5.2	7.4	7.5	4.7
Weighted Root Density	29.261	29.461	37.677	32.953	31.043	33.693	32.244	30.291	6.1125	3.6550	34.7705	19.113	18.409	39.588
BEHI	6.2	6.2	5.2	5.8	5.9	5.6	5.8	5.9	9.3	9.6	5.6	7.3	7.5	5.1
Bank Angle	28	28	28	28	32	32	32	32	41	15	32	40	40	42
BEHI	2.3	2.3	2.3	2.3	2.5	2.5	2.5	2.5	3	1.8	2.5	2.8	2.8	3
Surface Protection	50%	50%	60%	65%	80%	65%	65%	65%	85%	85%	80%	100%	100%	100%
BEHI	4.2	4.2	3.5	3.3	1.8	3.3	3.3	3.3	1.3	1.3	1.8	0	0	0
Total BEHI Score	25.9	25.9	23.9	24.3	23.4	24	24.4	24.9	29	30.4	24.1	25.8	26.6	21.4
Bank Material Adjustment (Cobbles -10)	10	10	10	10	10	10	10	0	10	-10	10	-5	-5	10
Total BEHI with Adjustment	35.9	35.9	33.9	34.3	33.4	34.0	34.4	24.9	39	20.4	34.1	20.8	21.6	31.4
BEHI Adjective Rating	High	High	High	High	High	High	High	Moderate	High	Moderate	High	Moderate	Moderate	High

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-1 (continued)
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-086	SIB-087	SIB-088	SIB-089	SIB-090	SIB-091	SIB-092	SIB-093	SIB-094	SIB-095	SIB-096	SIB-097	SIB-098	SIB-099
Study Bank Height to Bankfull Height Ratio	2.51	2.42	2.26	2.32	2.19	2.33	2.30	2.17	2.35	2.29	2.62	2.41	2.33	2.54
BEHI	8.6	8.5	8.3	8.4	8.3	8.4	8.3	8.2	8.5	8.3	8.7	8.5	8.4	8.7
Root Depth to Study Bank Height Ratio	0.40	0.21	0.45	0.43	0.46	0.43	0.44	0.46	0.43	0.44	0.12	0.13	0.04	0.04
BEHI	4.7	7.0	4.3	4.4	4.6	4.4	4.6	4.6	4.4	4.6	8.3	8.3	8.9	8.9
Weighted Root Density	40.064	15.586	40.071	41.197	41.360	43.178	21.872	23.191	29.9658	26.3620	8.6339	9.3907	1.7271	1.9794
BEHI	5.2	7.9	5.2	5.0	5.0	5.0	7.0	6.9	5.8	6.2	8.3	8.7	9.8	9.8
Bank Angle	36	28	15	15	15	20	15	15	18	18	15	15	35	28
BEHI	2.7	2.3	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.8	1.8	2.6	2.3
Surface Protection	95%	60%	75%	95%	95%	96%	50%	55%	45%	75%	60%	75%	75%	75%
BEHI	0.5	3.5	2.3	0.5	0.5	0.4	4.2	3.8	4.5	2.3	3.5	2.3	2.3	2.3
Total BEHI Score	21.7	29.2	21.9	20.1	20.2	20.1	25.9	25.3	25.1	23.3	30.6	29.6	32	32
Bank Material Adjustment (Cobbles -10)	5	10	10	10	10	10	10	10	10	-8	10	10	-10	-10
Total BEHI with Adjustment	26.7	39.2	31.9	30.1	30.2	30.1	35.9	35.3	35.1	15.3	40.6	39.6	22.0	22
BEHI Adjective Rating	Moderate	Very High	High	High	High	High	High	High	High	Low	Very High	Very High	Moderate	Moderate

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-1 (continued)
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-100	SIB-101	SIB-102	SIB-103	SIB-104	SIB-105	SIB-106	SIB-107	SIB-108	SIB-109	SIB-110	SIB-111	SIB-112	SIB-113
Study Bank Height to Bankfull Height Ratio	2.63	2.70	2.61	2.65	2.64	2.67	2.68	2.56	2.59	2.51	2.57	2.62	2.67	1.34
BEHI	8.7	8.75	8.7	8.7	8.7	8.75	8.75	8.7	8.7	8.6	8.7	8.7	8.75	5.0
Root Depth to Study Bank Height Ratio	0.38	0.04	0.04	0.11	0.11	0.11	0.19	0.12	0.04	0.04	0.04	0.04	0.07	0.35
BEHI	4.8	8.9	8.9	8.4	8.4	8.4	7.4	8.3	8.9	8.9	8.9	8.9	8.8	5.2
Weighted Root Density	5.7339	0.1862	0.5778	5.1214	7.9970	10.7304	14.0660	7.0699	1.5528	1.2019	1.1737	0.7675	5.9128	24.510
BEHI	9.2	9.8	9.8	9.4	8.75	8.7	8.3	9.0	9.8	9.7	9.7	9.8	9.2	6.2
Bank Angle	30	26	26	30	30	30	30	30	35	35	38	38	30	32
BEHI	2.5	2.3	2.3	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.8	2.8	2.5	2.5
Surface Protection	45%	50%	25%	90%	90%	90%	90%	90%	90%	90%	90%	90%	80%	80%
BEHI	4.5	4.2	6.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.8	1.8
Total BEHI Score	29.7	33.95	36.1	29.5	28.85	28.85	27.45	29	30.5	30.3	30.6	30.7	31.05	20.7
Bank Material Adjustment (Cobbles -10)	8	5	-5	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
Total BEHI with Adjustment	37.7	39.0	31.1	19.5	18.9	18.85	17.5	19.0	20.5	20.3	20.6	20.7	21.1	10.7
BEHI Adjective Rating	High	Very High	High	Moderate	Moderate	Low	Low	Low	Moderate	Moderate	Moderate	Moderate	Moderate	Low

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-1 (continued)
Bank Erosion Hazard Index Transect Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

	SIB-114	SIB-115	SIB-116	SIB-117	SIB-118	SIB-119	SIB-120	SIB-121	SIB-122	SIB-123	SIB-124	SIB-125
Study Bank Height to Bankfull Height Ratio	1.36	1.35	1.37	1.38	2.58	2.81	2.78	2.44	2.61	2.43	2.45	2.45
BEHI	5.0	5.0	5.0	5.1	8.7	9	8.9	8.5	8.7	8.5	8.5	8.5
Root Depth to Study Bank Height Ratio	0.36	0.36	0.37	0.38	0.39	0.36	0.36	0.12	0.39	0.41	0.41	0.41
BEHI	5.2	5.2	5.2	5.0	5.0	5.2	5.2	8.3	5.0	5.1	5.1	5.1
Weighted Root Density	23.585	26.920	27.819	28.345	31.177	23.248	23.500	7.420	23.113	9.520	11.084	32.841
BEHI	6.4	6.2	6.1	6.1	5.8	6.9	6.9	8.8	6.9	8.9	8.7	5.7
Bank Angle	32	32	32	38	34	34	34	30	35	36	36	36
BEHI	2.5	2.5	2.5	2.8	2.6	2.6	2.6	2.5	2.6	2.7	2.7	2.7
Surface Protection	80%	80%	80%	80%	80%	80%	35%	55%	70%	95%	85%	95%
BEHI	1.8	1.8	1.8	1.8	1.8	1.8	5.6	3.8	2.8	0.5	1.3	0.5
Total BEHI Score	20.9	20.7	20.6	20.8	23.9	25.5	29.2	31.9	26	25.7	26.3	22.5
Bank Material Adjustment (Cobbles -10)	-10	-10	-10	-10	-10	-10	-10	0	-10	-10	-10	-10
Total BEHI with Adjustment	10.9	10.7	10.6	10.8	13.9	15.5	19.2	31.9	16.0	15.7	16.3	12.5
BEHI Adjective Rating	Low	Low	Low	Low	Low	Low	Low	High	Low	Low	Low	Low

Notes:
BEHI = Bank Erosion Hazard Index
MLW = mean low water

Table 2-2
Near-Bank Stress Estimates
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Transect Length ft	Channel Bankfull Width ft	Bankfull Area sf	Bankfull Height ft NAVD88	Bankfull Mean elevation ft NAVD88	Bankfull Mean Depth ft	First Section				Second Section				Third Section			
							First Third Minimum Elevation NAVD88	First Third Mean Elevation NAVD88	First Third Maximum Depth	Near Bank Stress Ratio	Second Third Minimum Elevation NAVD88	Second Third Mean Elevation NAVD88	Second Third Maximum Depth	Near Bank Stress Ratio	Third Third Minimum Elevation NAVD88	Third Third Mean Elevation NAVD88	Third Third Maximum Depth	Near Bank Stress Ratio
001	1,861	1,697	76,687	20.075	-25.1	45.2	-38.4	-17.7	58.5	**1.29**	-35.6	-33.3	55.7	1.23	-34.7	-24.3	54.8	**1.21**
005	1,496	1,299	57,731	20.075	-24.4	44.4	-43.8	-23.7	63.9	**1.44**	-40.3	-30.1	60.4	1.36	-32.4	-19.3	52.5	**1.18**
007	800	677	39,307	20.075	-38.0	58.1	-51.2	-27.0	71.3	**1.23**	-52.6	-44.4	72.7	1.25	-46.2	-42.5	66.3	**1.14**
010	800	676	38,688	20.075	-37.2	57.2	-48.3	-25.8	68.4	**1.20**	-48.9	-43.0	69.0	1.21	-45.9	-42.7	65.9	**1.15**
120	972	850	36,352	20.075	-22.7	42.8	-29.6	-27.9	49.6	**1.16**	-29.6	-27.2	49.7	1.16	-24.2	-13.1	44.3	**1.04**
124	865	788	33,150	20.075	-22.0	42.1	-30.5	-28.8	50.6	**1.20**	-30.9	-29.2	51.0	1.21	-23.3	-7.9	43.4	**1.03**
020-116	863	760	32,341	20.075	-22.5	42.6	-28.7	-27.4	48.8	**1.15**	-28.5	-26.0	48.6	1.14	-24.1	-14.1	44.2	**1.04**
026-108	900	692	26,886	20.075	-18.8	38.9	-28.1	-19.4	48.2	**1.24**	-28.3	-26.2	48.4	1.24	-20.2	-10.7	40.3	**1.04**
033-100	900	700	25,283	20.075	-16.0	36.1	-28.5	-18.8	48.6	**1.34**	-26.5	-24.0	46.6	1.29	-18.3	-5.4	38.4	**1.06**
041-093	900	786	25,816	20.075	-12.8	32.8	-26.3	-18.9	46.4	**1.41**	-24.4	-22.3	44.4	1.35	-19.9	2.9	40.0	**1.22**
049-085	900	781	25,396	20.075	-12.4	32.5	-18.7	-11.6	38.8	**1.19**	-19.1	-18.6	39.2	1.20	-18.3	-7.2	38.4	**1.18**
056-077	900	732	21,107	20.075	-8.8	28.8	-14.2	-9.1	34.3	**1.19**	-14.2	-13.9	34.3	1.19	-13.4	-3.3	33.5	**1.16**
065	5,600	5,438	225,024	20.075	-21.3	41.4	-30.4	-25.8	50.5	**1.22**	-28.7	-26.3	48.8	1.18	-19.2	-11.8	39.3	**0.95**
067-125	5,500	5,362	213,815	20.075	-19.8	39.9	-27.8	-22.4	47.8	**1.20**	-27.0	-24.3	47.0	1.18	-20.8	-12.8	40.9	**1.03**
069-123	5,300	5,126	175,637	20.075	-14.2	34.3	-23.9	-15.5	43.9	**1.28**	-19.3	-14.2	39.3	1.15	-19.3	-12.9	39.3	**1.15**
NBS Rating										**Low**								**Low**

Notes

Near-Bank Stress Ratings

Very Low	<1.00
Low	1.00-1.50
Moderate	1.51-1.80
High	1.81 - 2.50
Very High	2.51 - 3.00
Extreme	> 3.00

ft	feet
sf	square feet
NAVD88	North American Vertical Datum of 1988
NBS	Near Bank Stress

See Figure 2-3c for Transect and Transect Section locations.
The first section values apply to transects on the west and northeast sides of SIB.
The third section values apply to transects on the east and southeast sides of SIB.

Table 3-1
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
0	OHW	45.56544683	-122.7252567	0-1	SIB-000-OHW-0-1-10172022
	TOB	45.56527583	-122.7248468	0-1	SIB-000-TOB-0-1-10172022
1	OHW	45.56544633	-122.7245908	0-1	SIB-001-OHW-0-1-10172022
	TOB	45.56556033	-122.7248822	0-1	SIB-001-TOB-0-1-10172022
2	OHW	45.56567667	-122.7244073	0-1	SIB-002-OHW-0-1-10172022
	TOB	45.56572783	-122.7244523	0-1	SIB-002-TOB-0-1-10172022
3	OHW	45.56602783	-122.7242223	0-1	SIB-003-OHW-0-1-10172022
	TOB	45.56596933	-122.7243387	0-1	SIB-003-TOB-0-1-10172022
4	MLW	45.56627017	-122.7241852	0-1	SIB-004-MLW-0-1-10172022
	OHW	45.56623267	-122.7243248	0-1	SIB-004-OHW-0-1-10172022
	TOB	45.56629017	-122.7245347	0-1	SIB-004-TOB-0-1-10172022
5	MLW	45.56651417	-122.7241203	0-1	SIB-005-MLW-0-1-10172022
	OHW	45.56655583	-122.7242727	0-1	SIB-005-OHW-0-1-10172022
	OHW	45.56655583	-122.7242727	1-2	SIB-005-OHW-1-2-10172022
	TOB	45.56658283	-122.7245977	0-1	SIB-005-TOB-0-1-10172022
6	OHW	45.56665183	-122.7240833	0-1	SIB-006-OHW-0-1-10172022
	TOB	45.56673567	-122.7241617	0-1	SIB-006-TOB-0-1-10172022
7	OHW	45.56661833	-122.7238007	0-1	SIB-007-OHW-0-1-10172022
	TOB	45.56673917	-122.7237842	0-1	SIB-007-TOB-0-1-10172022
8	MLW	45.56654167	-122.7234153	0-1	SIB-008-MLW-0-1-10172022
	OHW	45.56666167	-122.7233888	0-1	SIB-008-OHW-0-1-10172022
	TOB	45.56667983	-122.7233807	0-1	SIB-008-TOB-0-1-10172022
9	OHW	45.56645167	-122.7230422	0-1	SIB-009-OHW-0-1-10172022
	TOB	45.56656333	-122.7230393	0-1	SIB-009-TOB-0-1-10172022
10	OHW	45.56647167	-122.7227492	0-1	SIB-010-OHW-0-1-10172022
	TOB	45.56646733	-122.7226508	0-1	SIB-010-TOB-0-1-10172022
11	OHW	45.56650417	-122.7222082	0-1	SIB-011-OHW-0-1-10172022
	TOB	45.56645267	-122.7224917	0-1	SIB-011-TOB-0-1-10172022
12	MLW	45.56649233	-122.7221878	0-1	SIB-012-MLW-0-1-10172022
13	MLW	45.56746683	-122.7218563	0-1	SIB-013-MLW-0-1-10172022
14	MLW	45.56716217	-122.7217818	0-1	SIB-014-MLW-0-1-10172022
22	MLW	45.567872	-122.720337	0-1	SIB-022-MLW-0-1-10252022
	OHW	45.56804819	-122.7200971	0-1	SIB-022-OHW-0-1-10252022
23	OHW	45.567708	-122.720047	0-1	SIB-023-OHW-0-1-10252022
24	OHW	45.567543	-122.719711	0-1	SIB-024-OHW-0-1-10252022
25	OHW	45.567363	-122.719406	0-1	SIB-025-OHW-0-1-10252022
26	OHW	45.567212	-122.719096	0-1	SIB-026-OHW-0-1-10252022
27	OHW	45.567047	-122.718782	0-1	SIB-027-OHW-0-1-10252022
28	OHW	45.566875	-122.718477	0-1	SIB-028-OHW-0-1-10252022
29	OHW	45.566705	-122.718169	0-1	SIB-029-OHW-0-1-10252022
30	MLW	45.566536	-122.717861	0-1	SIB-030-MLW-0-1-10252022
	OHW	45.566594	-122.717798	0-1	SIB-030-OHW-0-1-10252022
31	OHW	45.566374	-122.71756	0-1	SIB-031-OHW-0-1-10252022
32	OHW	45.566194	-122.717255	0-1	SIB-032-OHW-0-1-10252022
33	OHW	45.566029	-122.716949	0-1	SIB-033-OHW-0-1-10252022
34	MLW	45.565864	-122.716629	0-1	SIB-034-MLW-0-1-10252022
	OHW	45.565928	-122.716556	0-1	SIB-034-OHW-0-1-10252022

Table 3-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
35	OHW	45.565699	-122.716324	0-1	SIB-035-OHW-0-1-10252022
36	MLW	45.56561179	-122.7154262	0-1	SIB-036-MLW-0-1-10252022
	OHW	45.565588	-122.715939	0-1	SIB-036-OHW-0-1-10252022
37	MLW	45.5655911	-122.7154388	0-1	SIB-037-MLW-0-1-10252022
	OHW	45.56561179	-122.7154262	0-1	SIB-037-OHW-0-1-10252022
38	MLW	45.5652415	-122.715407	0-1	SIB-038-MLW-0-1-10252022
	OHW	45.56526998	-122.7153014	0-1	SIB-038-OHW-0-1-10252022
39	MLW	45.56515197	-122.7149893	0-1	SIB-039-MLW-0-1-10252022
	OHW	45.56526802	-122.7148283	0-1	SIB-039-OHW-0-1-10252022
40	MLW	45.56494847	-122.7143502	0-1	SIB-040-MLW-0-1-10242022
	OHW	45.56509545	-122.7146262	0-1	SIB-040-OHW-0-1-10242022
41	MLW	45.56993083	-122.7154726	0-1	SIB-041-MLW-0-1-10242022
	OHW	45.56492621	-122.7143906	0-1	SIB-041-OHW-0-1-10242022
42	MLW	45.56482498	-122.7142752	0-1	SIB-042-MLW-0-1-10242022
	OHW	45.56482498	-122.7142752	0-1	SIB-042-OHW-0-1-10242022
43	OHW	45.5647056	-122.713952	0-1	SIB-043-OHW-0-1-10242022
	TOB	45.5644287	-122.7140493	0-1	SIB-043-TOB-0-1-10242022
44	OHW	45.56449098	-122.7139861	0-1	SIB-044-OHW-0-1-10242022
	TOB	45.56427902	-122.7137151	0-1	SIB-044-TOB-0-1-10242022
45	OHW	45.56422583	-122.7136962	0-1	SIB-045-OHW-0-1-10242022
	TOB	45.56395443	-122.7131653	0-1	SIB-045-TOB-0-1-10242022
46	OHW	45.56408997	-122.7132655	0-1	SIB-046-OHW-0-1-10242022
	TOB	45.56371762	-122.7127792	0-1	SIB-046-TOB-0-1-10242022
47	OHW	45.56393643	-122.7129649	0-1	SIB-047-OHW-0-1-10242022
	TOB	45.56363475	-122.7124791	0-1	SIB-047-TOB-0-1-10242022
48	MLW	45.56379541	-122.7127393	0-1	SIB-048-MLW-0-1-10242022
	OHW	45.56335381	-122.7120766	0-1	SIB-048-OHW-0-1-10242022
	TOB	45.56363144	-122.7123605	0-1	SIB-048-TOB-0-1-10242022
49	OHW	45.5636477	-1.22712E+11	0-1	SIB-049-OHW-0-1-10202022
		45.56338383	-122.7121667	1-2	SIB-049-OHW-1-2-10202022
	TOB	45.5644378	-122.7098229	0-1	SIB-049-TOB-0-1-10202022
50	OHW	45.5644378	-122.7098229	0-1	SIB-050-OHW-0-1-10202022
	TOB	45.5625919	-122.7125899	0-1	SIB-050-TOB-0-1-10202022
51	OHW	45.5644406	-122.7098202	0-1	SIB-051-OHW-0-1-10202022
	TOB	45.56307617	-122.7114975	0-1	SIB-051-TOB-0-1-10202022
52	OHW	45.56314333	-122.7114922	0-1	SIB-052-OHW-0-1-10202022
	TOB	45.562881	-122.711252	0-1	SIB-052-TOB-0-1-10202022
53	MLW	45.5639211	-122.7107689	0-1	SIB-053-MLW-0-1-10202022
	OHW	45.56276	-122.710926	0-1	SIB-053-OHW-0-1-10202022
	TOB	45.56277717	-122.7108175	0-1	SIB-053-TOB-0-1-10202022
54	OHW	45.56280583	-122.710783	0-1	SIB-054-OHW-0-1-10192022
	TOB	45.562507	-122.7106638	0-1	SIB-054-TOB-0-1-10192022
55	OHW	45.5626375	-122.7105788	0-1	SIB-055-OHW-0-1-10192022
	TOB	45.5623565	-122.7102857	0-1	SIB-055-TOB-0-1-10192022
56	MLW	45.56243217	-122.7102637	0-1	SIB-056-MLW-0-1-10192022
	OHW	45.5622125	-122.7099727	0-1	SIB-056-OHW-0-1-10192022
	TOB	45.56226517	-122.7098735	0-1	SIB-056-TOB-0-1-10192022

Table 3-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
57	MLW	45.56230783	-122.7098657	0-1	SIB-057-MLW-0-1-10192022
	OHW	45.56205317	-122.7097312	0-1	SIB-057-OHW-0-1-10192022
	TOB	45.56205317	-122.7097312	0-1	SIB-057-TOB-0-1-10192022
	TOB	45.56206183	-122.7096267	1-2	SIB-057-TOB-1-2-10192022
58	MLW	45.56212983	-122.7095763	0-1	SIB-058-MLW-0-1-10192022
	OHW	45.5625925	-122.7046447	0-1	SIB-058-OHW-0-1-10192022
59	MLW	45.5627868	-122.713468	0-1	SIB-059-MLW-0-1-10192022
	OHW	45.5616952	-122.7089525	0-1	SIB-059-OHW-0-1-10192022
60	MLW	45.5618393	-122.7090173	0-1	SIB-060-MLW-0-1-10192022
	OHW	45.5628781	-122.704336	0-1	SIB-060-OHW-0-1-10192022
61	MLW	45.5617549	-122.7084179	0-1	SIB-061-MLW-0-1-10192022
	OHW	45.5612932	-122.7086411	0-1	SIB-061-OHW-0-1-10192022
62	MLW	45.5612971	-122.7086626	0-1	SIB-062-MLW-0-1-10182022
		45.56113117	-122.7081578	1-2	SIB-062-MLW-1-2-10182022
	OHW	45.56128133	-122.7081062	0-1	SIB-062-OHW-0-1-10182022
	TOB	45.56130383	-122.7079908	0-1	SIB-062-TOB-0-1-10182022
63	MLW	45.56130383	-122.7079908	0-1	SIB-063-MLW-0-1-10182022
		45.56095667	-122.7079392	1-2	SIB-063-MLW-1-2-10182022
	OHW	45.56102117	-122.7078448	0-1	SIB-063-OHW-0-1-10182022
	TOB	45.56111867	-122.7077927	0-1	SIB-063-TOB-0-1-10182022
64	MLW	45.56111867	-122.7077927	0-1	SIB-064-MLW-0-1-10182022
		45.56100283	-122.7074153	1-2	SIB-064-MLW-1-2-10182022
	OHW	45.56100283	-122.7074153	0-1	SIB-064-OHW-0-1-10182022
	TOB	45.56100283	-122.7074153	0-1	SIB-064-TOB-0-1-10182022
		45.56107867	-122.7075313	1-2	SIB-064-TOB-1-2-10182022
		45.56107867	-122.7075313	2-3	SIB-064-TOB-2-3-10182022
65	MLW	45.56107867	-122.7075313	0-1	SIB-065-MLW-0-1-10182022
		45.56121033	-122.7077532	1-2	SIB-065-MLW-1-2-10182022
	OHW	45.56121033	-122.7077532	0-1	SIB-065-OHW-0-1-10182022
		45.56121683	-122.7071847	1-2	SIB-065-OHW-1-2-10182022
		45.56121683	-122.7071847	2-3	SIB-065-OHW-2-3-10182022
	TOB	45.56121683	-122.7071847	0-1	SIB-065-TOB-0-1-10182022
		45.56129467	-122.7072718	1-2	SIB-065-TOB-1-2-10182022
		45.56129467	-122.7072718	2-3	SIB-065-TOB-2-3-10182022
66	MLW	45.56129467	-122.7072718	0-1	SIB-066-MLW-0-1-10182022
		45.56154533	-122.7075608	1-2	SIB-066-MLW-1-2-10182022
	OHW	45.56154533	-122.7075608	0-1	SIB-066-OHW-0-1-10182022
		45.56148233	-122.7069127	1-2	SIB-066-OHW-1-2-10182022
		45.56148233	-122.7069127	2-3	SIB-066-OHW-2-3-10182022
	TOB	45.56148233	-122.7069127	0-1	SIB-066-TOB-0-1-10182022
		45.56154033	-122.7070432	1-2	SIB-066-TOB-1-2-10182022
		45.56154033	-122.7070432	2-3	SIB-066-TOB-2-3-10182022

Table 3-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
67	MLW	45.56154033	-122.7070432	0-1	SIB-067-MLW-0-1-10142022
		45.56159667	-122.7073597	1-2	SIB-067-MLW-1-2-10142022
	OHW	45.56159667	-122.7073597	0-1	SIB-067-OHW-0-1-10142022
		45.56168483	-122.7067667	1-2	SIB-067-OHW-1-2-10142022
		45.56168483	-122.7067667	2-3	SIB-067-OHW-2-3-10142022
	TOB	45.56168483	-122.7067667	0-1	SIB-067-TOB-0-1-10142022
		45.56175967	-122.7068473	1-2	SIB-067-TOB-1-2-10142022
		45.56175967	-122.7068473	2-3	SIB-067-TOB-2-3-10142022
68	MLW	45.56175967	-122.7068473	0-1	SIB-068-MLW-0-1-10142022
		45.56180717	-122.7069587	1-2	SIB-068-MLW-1-2-10142022
	OHW	45.56180717	-122.7069587	0-1	SIB-068-OHW-0-1-10142022
		45.56198183	-122.7065883	1-2	SIB-068-OHW-1-2-10142022
	TOB	45.56198183	-122.7065883	0-1	SIB-068-TOB-0-1-10142022
		45.56198183	-122.7065883	1-2	SIB-068-TOB-1-2-10142022
		45.56200667	-122.7067087	2-3	SIB-068-TOB-2-3-10142022
69	MLW	45.56200667	-122.7067087	0-1	SIB-069-MLW-0-1-10142022
	OHW	45.56205583	-122.7068582	0-1	SIB-069-OHW-0-1-10142022
	TOB	45.56205583	-122.7068582	0-1	SIB-069-TOB-0-1-10142022
70	MLW	45.56218883	-122.7063963	0-1	SIB-070-MLW-0-1-10132022
	OHW	45.56223267	-122.7065085	0-1	SIB-070-OHW-0-1-10132022
71	MLW	45.56229317	-122.7066173	0-1	SIB-071-MLW-0-1-10132022
	OHW	45.56248867	-122.706163	0-1	SIB-071-OHW-0-1-10132022
	TOB	45.56255667	-122.7064323	0-1	SIB-071-TOB-0-1-10132022
72	MLW	45.56272667	-122.7059978	0-1	SIB-072-MLW-0-1-10132022
		45.562665	-122.7061247	1-2	SIB-072-MLW-1-2-10132022
	OHW	45.56262467	-122.7066313	0-1	SIB-072-OHW-0-1-10132022
		45.5630701	-122.7063364	1-2	SIB-072-OHW-1-2-10132022
	TOB	45.5630701	-122.7063364	0-1	SIB-072-TOB-0-1-10132022
		45.5630701	-122.7063364	1-2	SIB-072-TOB-1-2-10132022
		45.56304	-122.7064038	2-3	SIB-072-TOB-2-3-10132022
73	MLW	45.56304	-122.7064038	0-1	SIB-073-MLW-0-1-10132022
	OHW	45.56287183	-122.7066903	0-1	SIB-073-OHW-0-1-10132022
		45.56287183	-122.7066903	1-2	SIB-073-OHW-1-2-10132022
	TOB	45.5632912	-122.7067377	0-1	SIB-073-TOB-0-1-10132022
		45.5632912	-122.7067377	1-2	SIB-073-TOB-1-2-10132022
74	MLW	45.5632381	-122.7067303	0-1	SIB-074-MLW-0-1-10132022
	OHW	45.5632381	-122.7067303	0-1	SIB-074-OHW-0-1-10132022
		45.56306067	-122.7069807	1-2	SIB-074-OHW-1-2-10132022
	TOB	45.5633879	-122.706839	0-1	SIB-074-TOB-0-1-10132022
		45.5633879	-122.706839	1-2	SIB-074-TOB-1-2-10132022
75	MLW	45.56336583	-122.7070353	0-1	SIB-075-MLW-0-1-10132022
	OHW	45.56336583	-122.7070353	0-1	SIB-075-OHW-0-1-10132022
		45.56310767	-122.7071132	1-2	SIB-075-OHW-1-2-10132022
	TOB	45.56361533	-122.7072373	0-1	SIB-075-TOB-0-1-10132022
		45.56361533	-122.7072373	1-2	SIB-075-TOB-1-2-10132022

Table 3-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
76	MLW	45.56296983	-122.706993	0-1	SIB-076-MLW-0-1-10122022
		45.56296983	-122.706993	1-2	SIB-076-MLW-1-2-10122022
	OHW	45.56331767	-122.7074973	0-1	SIB-076-OHW-0-1-10122022
	TOB	45.56383933	-122.7076533	0-1	SIB-076-TOB-0-1-10122022
		45.56383933	-122.7076533	1-2	SIB-076-TOB-1-2-10122022
77	MLW	45.56361917	-122.7076793	0-1	SIB-077-MLW-0-1-10122022
		45.56373017	-122.7080619	1-2	SIB-077-MLW-1-2-10122022
	OHW	45.56373017	-122.7080619	0-1	SIB-077-OHW-0-1-10122022
		45.56378867	-122.7080562	1-2	SIB-077-OHW-1-2-10122022
	TOB	45.56374367	-122.7085433	0-1	SIB-077-TOB-0-1-10122022
78	MLW	45.56374367	-122.7085433	0-1	SIB-078-MLW-0-1-10122022
	OHW	45.56363133	-122.7081662	0-1	SIB-078-OHW-0-1-10122022
		45.56363133	-122.7081662	1-2	SIB-078-OHW-1-2-10122022
	TOB	45.56409583	-122.7083028	0-1	SIB-078-TOB-0-1-10122022
79	MLW	45.5639245	-122.7084465	0-1	SIB-079-MLW-0-1-10122022
		45.5639245	-122.7084465	1-2	SIB-079-MLW-1-2-10122022
	OHW	45.56383283	-122.7085485	0-1	SIB-079-OHW-0-1-10122022
		45.5641576	-122.7084067	1-2	SIB-079-OHW-1-2-10122022
	TOB	45.5641576	-122.7084067	0-1	SIB-079-TOB-0-1-10122022
		45.564114	-122.7090048	1-2	SIB-079-TOB-1-2-10122022
80	MLW	45.564114	-122.7090048	0-1	SIB-080-MLW-0-1-10122022
		45.56402133	-122.7087483	1-2	SIB-080-MLW-1-2-10122022
	OHW	45.56402133	-122.7087483	0-1	SIB-080-OHW-0-1-10122022
	TOB	45.56435417	-122.7087333	0-1	SIB-080-TOB-0-1-10122022
81	MLW	45.56435567	-122.7089217	0-1	SIB-081-MLW-0-1-10122022
		45.56422567	-122.7089872	1-2	SIB-081-MLW-1-2-10122022
	OHW	45.56422567	-122.7089872	0-1	SIB-081-OHW-0-1-10122022
		45.56456033	-122.7091023	1-2	SIB-081-OHW-1-2-10122022
	TOB	45.56456033	-122.7091023	0-1	SIB-081-TOB-0-1-10122022
		45.56448783	-122.7091848	1-2	SIB-081-TOB-1-2-10122022
82	MLW	45.56448783	-122.7091848	0-1	SIB-082-MLW-0-1-10112022
		45.56442483	-122.7092803	1-2	SIB-082-MLW-1-2-10112022
	OHW	45.56442483	-122.7092803	0-1	SIB-082-OHW-0-1-10112022
	TOB	45.56479933	-122.7093727	0-1	SIB-082-TOB-0-1-10112022
83	MLW	45.56444417	-122.709821	0-1	SIB-083-MLW-0-1-10112022
	OHW	45.56451433	-122.7096077	0-1	SIB-083-OHW-0-1-10112022
	TOB	45.56451433	-122.7096077	0-1	SIB-083-TOB-0-1-10112022
		45.56492983	-122.7097027	1-2	SIB-083-TOB-1-2-10112022
84	MLW	45.56492983	-122.7097027	0-1	SIB-084-MLW-0-1-10112022
		45.56481017	-122.7097527	1-2	SIB-084-MLW-1-2-10112022
	OHW	45.56476667	-122.7098095	0-1	SIB-084-OHW-0-1-10112022
		45.56507621	-122.7099514	1-2	SIB-084-OHW-1-2-10112022
	TOB	45.56507621	-122.7099514	0-1	SIB-084-TOB-0-1-10112022
		45.5651014	-122.7100012	1-2	SIB-084-TOB-1-2-10112022

Table 3-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
85	MLW	45.5651014	-122.7100012	0-1	SIB-085-MLW-0-1-10112022
		45.56502785	-122.7100667	1-2	SIB-085-MLW-1-2-10112022
	OHW	45.56502785	-122.7100667	0-1	SIB-085-OHW-0-1-10112022
		45.56520567	-122.7103183	1-2	SIB-085-OHW-1-2-10112022
	TOB	45.56520567	-122.7103183	0-1	SIB-085-TOB-0-1-10112022
		45.56520567	-122.7103183	1-2	SIB-085-TOB-1-2-10112022
		45.56502283	-122.7104148	2-3	SIB-085-TOB-2-3-10112022
86	MLW	45.56502283	-122.7104148	0-1	SIB-086-MLW-0-1-10112022
		45.65611667	-122.7104407	1-2	SIB-086-MLW-1-2-10112022
	OHW	45.65611667	-122.7104407	0-1	SIB-086-OHW-0-1-10112022
	TOB	45.5627882	-122.7134737	0-1	SIB-086-TOB-0-1-10112022
87	MLW	45.56535283	-122.7095892	0-1	SIB-087-MLW-0-1-10102022
		45.56509167	-122.7109093	1-2	SIB-087-MLW-1-2-10102022
	OHW	45.56509167	-122.7109093	0-1	SIB-087-OHW-0-1-10102022
		45.56558033	-122.7108992	1-2	SIB-087-OHW-1-2-10102022
		45.56558033	-122.7108992	2-3	SIB-087-OHW-2-3-10102022
	TOB	45.56558033	-122.7108992	0-1	SIB-087-TOB-0-1-10102022
		45.56549183	-122.7109898	1-2	SIB-087-TOB-1-2-10102022
		45.56549183	-122.7109898	2-3	SIB-087-TOB-2-3-10102022
88	MLW	45.56549183	-122.7109898	0-1	SIB-088-MLW-0-1-10102022
		45.56532333	-122.7111437	1-2	SIB-088-MLW-1-2-10102022
	OHW	45.56532333	-122.7111437	0-1	SIB-088-OHW-0-1-10102022
		45.56572883	-122.7111507	1-2	SIB-088-OHW-1-2-10102022
	TOB	45.56568517	-122.7111907	0-1	SIB-088-TOB-0-1-10102022
89	MLW	45.56568517	-122.7111907	0-1	SIB-089-MLW-0-1-10102022
		45.56542017	-122.7114373	1-2	SIB-089-MLW-1-2-10102022
	OHW	45.56542017	-122.7114373	0-1	SIB-089-OHW-0-1-10102022
		45.56590483	-122.7114838	1-2	SIB-089-OHW-1-2-10102022
	TOB	45.56586633	-122.7115282	0-1	SIB-089-TOB-0-1-10102022
90	MLW	45.56586633	-122.7115282	0-1	SIB-090-MLW-0-1-10102022
		45.56559617	-122.7117022	1-2	SIB-090-MLW-1-2-10102022
	OHW	45.56559617	-122.7117022	0-1	SIB-090-OHW-0-1-10102022
		45.5660425	-122.7117448	1-2	SIB-090-OHW-1-2-10102022
	TOB	45.5660425	-122.7117448	0-1	SIB-090-TOB-0-1-10102022
		45.56600983	-122.7118798	1-2	SIB-090-TOB-1-2-10102022
91	MLW	45.56600983	-122.7118798	0-1	SIB-091-MLW-0-1-10102022
		45.56578883	-122.7121058	1-2	SIB-091-MLW-1-2-10102022
	OHW	45.56578883	-122.7121058	0-1	SIB-091-OHW-0-1-10102022
	TOB	45.56626033	-122.7120063	0-1	SIB-091-TOB-0-1-10102022
		45.56626033	-122.7120063	1-2	SIB-091-TOB-1-2-10102022
		45.56626033	-122.7120063	2-3	SIB-091-TOB-2-3-10102022
92	MLW	45.5661545	-122.7121605	0-1	SIB-092-MLW-0-1-10102022
		45.56589117	-122.712313	1-2	SIB-092-MLW-1-2-10102022
	OHW	45.56589117	-122.712313	0-1	SIB-092-OHW-0-1-10102022
	TOB	45.56627067	-122.7124122	0-1	SIB-092-TOB-0-1-10102022
		45.56627067	-122.7124122	1-2	SIB-092-TOB-1-2-10102022

Table 3-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
93	MLW	45.56622667	-122.712528	0-1	SIB-093-MLW-0-1-10072022
	OHW	45.56609617	-122.7126562	0-1	SIB-093-OHW-0-1-10072022
		45.56609617	-122.7126562	1-2	SIB-093-OHW-1-2-10072022
		45.56653233	-122.712771	2-3	SIB-093-OHW-2-3-10072022
	TOB	45.56653233	-122.712771	0-1	SIB-093-TOB-0-1-10072022
		45.56653233	-122.712771	1-2	SIB-093-TOB-1-2-10072022
		45.56647183	-122.7128125	2-3	SIB-093-TOB-2-3-10072022
94	MLW	45.56647183	-122.7128125	0-1	SIB-094-MLW-0-1-10072022
	OHW	45.56647183	-122.7128125	0-1	SIB-094-OHW-0-1-10072022
	TOB	45.56625067	-122.7129955	0-1	SIB-094-TOB-0-1-10072022
		45.56665583	-122.712959	1-2	SIB-094-TOB-1-2-10072022
		45.56665583	-122.712959	2-3	SIB-094-TOB-2-3-10072022
95	MLW	45.56665583	-122.712959	0-1	SIB-095-MLW-0-1-10072022
	OHW	45.56661067	-122.7129873	0-1	SIB-095-OHW-0-1-10072022
	TOB	45.56637333	-122.7132367	0-1	SIB-095-TOB-0-1-10072022
		45.56680282	-122.7131483	1-2	SIB-095-TOB-1-2-10072022
		45.56680282	-122.7131483	2-3	SIB-095-TOB-2-3-10072022
96	MLW	45.56680282	-122.7131483	0-1	SIB-096-MLW-0-1-10072022
	OHW	45.56673167	-122.7132568	0-1	SIB-096-OHW-0-1-10072022
		45.5664445	-122.713524	1-2	SIB-096-OHW-1-2-10072022
	TOB	45.56697983	-122.7137188	0-1	SIB-096-TOB-0-1-10072022
97	MLW	45.56695267	-122.713729	0-1	SIB-097-MLW-0-1-10072022
	OHW	45.56695267	-122.713729	0-1	SIB-097-OHW-0-1-10072022
		45.56669383	-122.7140045	1-2	SIB-097-OHW-1-2-10072022
	TOB	45.56716133	-122.7140397	0-1	SIB-097-TOB-0-1-10072022
		45.56716133	-122.7140397	1-2	SIB-097-TOB-1-2-10072022
98	MLW	45.56708417	-122.7140538	0-1	SIB-098-MLW-0-1-10072022
	OHW	45.56708417	-122.7140538	0-1	SIB-098-OHW-0-1-10072022
		45.566855	-122.7142758	1-2	SIB-098-OHW-1-2-10072022
		45.56723783	-122.7144423	2-3	SIB-098-OHW-2-3-10072022
	TOB	45.56723783	-122.7144423	0-1	SIB-098-TOB-0-1-10072022
		45.56723783	-122.7144423	1-2	SIB-098-TOB-1-2-10072022
		45.567131	-122.7145293	2-3	SIB-098-TOB-2-3-10072022
99	MLW	45.567131	-122.7145293	0-1	SIB-099-MLW-0-1-10072022
	OHW	45.567131	-122.7145293	0-1	SIB-099-OHW-0-1-10072022
		45.56706083	-122.7145863	1-2	SIB-099-OHW-1-2-10072022
	TOB	45.56733683	-122.7147623	0-1	SIB-099-TOB-0-1-10072022
		45.56733683	-122.7147623	1-2	SIB-099-TOB-1-2-10072022
		45.56733683	-122.7147623	2-3	SIB-099-TOB-2-3-10072022
100	MLW	45.56729133	-122.714835	0-1	SIB-100-MLW-0-1-10062022
	OHW	45.56729133	-122.714835	0-1	SIB-100-OHW-0-1-10062022
		45.56721517	-122.7149172	1-2	SIB-100-OHW-1-2-10062022
		45.56755683	-122.71491	2-3	SIB-100-OHW-2-3-10062022
	TOB	45.56755683	-122.71491	0-1	SIB-100-TOB-0-1-10062022
		45.56755683	-122.71491	1-2	SIB-100-TOB-1-2-10062022
		45.6574565	-122.7151235	2-3	SIB-100-TOB-2-3-10062022

Table 3-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
101	MLW	45.6574565	-122.7151235	0-1	SIB-101-MLW-0-1-10062022
	OHW	45.6574565	-122.7151235	0-1	SIB-101-OHW-0-1-10062022
		45.56739817	-122.7151017	1-2	SIB-101-OHW-1-2-10062022
		45.56774867	-122.7152732	2-3	SIB-101-OHW-2-3-10062022
	TOB	45.56774867	-122.7152732	0-1	SIB-101-TOB-0-1-10062022
		45.56762667	-122.7154597	1-2	SIB-101-TOB-1-2-10062022
102	MLW	45.56762667	-122.7154597	0-1	SIB-102-MLW-0-1-10062022
		45.56762667	-122.7154597	1-2	SIB-102-MLW-1-2-10062022
	OHW	45.56754867	-122.7155198	0-1	SIB-102-OHW-0-1-10062022
		45.5679	-122.7155567	1-2	SIB-102-OHW-1-2-10062022
		45.5679	-122.7155567	2-3	SIB-102-OHW-2-3-10062022
	TOB	45.5679	-122.7155567	0-1	SIB-102-TOB-0-1-10062022
		45.5684108	-122.7166896	1-2	SIB-102-TOB-1-2-10062022
		45.5684108	-122.7166896	2-3	SIB-102-TOB-2-3-10062022
103	MLW	45.5684108	-122.7166896	0-1	SIB-103-MLW-0-1-10062022
	OHW	45.56768367	-122.7158337	0-1	SIB-103-OHW-0-1-10062022
		45.56768367	-122.7158337	1-2	SIB-103-OHW-1-2-10062022
		45.56803967	-122.7158625	2-3	SIB-103-OHW-2-3-10062022
	TOB	45.56802067	-122.7164277	0-1	SIB-103-TOB-0-1-10062022
104	MLW	45.56802067	-122.7164277	0-1	SIB-104-MLW-0-1-10062022
	OHW	45.56800083	-122.716072	0-1	SIB-104-OHW-0-1-10062022
	TOB	45.568227	-122.7161727	0-1	SIB-104-TOB-0-1-10062022
		45.568227	-122.7161727	1-2	SIB-104-TOB-1-2-10062022
105	OHW	45.6581865	-122.7162715	0-1	SIB-105-OHW-0-1-10052022
	TOB	45.568103	-122.716266	0-1	SIB-105-TOB-0-1-10052022
106	OHW	45.56842516	-122.7165302	0-1	SIB-106-OHW-0-1-10052022
	TOB	45.5683331	-122.7165702	0-1	SIB-106-TOB-0-1-10052022
		45.568596	-122.7168077	1-2	SIB-106-TOB-1-2-10052022
107	OHW	45.568596	-122.7168077	0-1	SIB-107-OHW-0-1-10052022
	TOB	45.5685046	-122.7168582	0-1	SIB-107-TOB-0-1-10052022
108	TOB	45.5687118	-122.7171627	0-1	SIB-108-TOB-0-1-10052022
109	OHW	45.5686388	-122.717248	0-1	SIB-109-OHW-0-1-10052022
	TOB	45.56882	-122.7174877	0-1	SIB-109-TOB-0-1-10052022
110	MLW	45.5690005	-122.7177812	0-1	SIB-110-MLW-0-1-10052022
		45.5689208	-122.717887	1-2	SIB-110-MLW-1-2-10052022
	TOB	45.56916217	-122.7181223	0-1	SIB-110-TOB-0-1-10052022
111	TOB	45.5690285	-122.7182058	0-1	SIB-111-TOB-0-1-10052022
112	MLW	45.5690285	-122.7182058	0-1	SIB-112-MLW-0-1-10042022
		45.56934216	-122.7183773	1-2	SIB-112-MLW-1-2-10042022
		45.5658129	-122.7199894	2-3	SIB-112-MLW-2-3-10042022
	OHW	45.5658129	-122.7199894	0-1	SIB-112-OHW-0-1-10042022
	TOB	45.5658129	-122.7199894	0-1	SIB-112-TOB-0-1-10052022
		45.56952083	-122.7186527	1-2	SIB-112-TOB-1-2-10052022
		45.5694128	-122.7186785	2-3	SIB-112-TOB-2-3-10052022
113	TOB	45.5694128	-122.7186785	0-1	SIB-113-TOB-0-1-10042022
		45.5694128	-122.7186785	1-2	SIB-113-TOB-1-2-10042022

Table 3-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Transect	Sample Elevation	Coordinates (NAD83)		Sample Depth (ft bgs)	Sample ID
		Latitude	Longitude		
114	OHW	45.56973883	-122.7189052	0-1	SIB-114-OHW-0-1-10042022
	TOB	45.56973883	-122.7189052	0-1	SIB-114-TOB-0-1-10042022
		45.56992783	-122.7192522	1-2	SIB-114-TOB-1-2-10042022
		45.56992783	-122.7192522	2-3	SIB-114-TOB-2-3-10042022
115	OHW	45.56992783	-122.7192522	0-1	SIB-115-OHW-0-1-10042022
	TOB	45.56985066	-122.7192932	0-1	SIB-115-TOB-0-1-10042022
		45.57007016	-122.719544	1-2	SIB-115-TOB-1-2-10042022
116	TOB	45.57007016	-122.719544	0-1	SIB-116-TOB-0-1-10042022
		45.5700175	-122.7196055	1-2	SIB-116-TOB-1-2-10042022
117	MLW	45.5685817	-122.7214118	0-1	SIB-117-MLW-0-1-10032022
	OHW	45.5685817	-122.7214118	0-1	SIB-117-OHW-0-1-10032022
	TOB	45.57028919	-122.7203088	0-1	SIB-117-TOB-0-1-10042022
118	OHW	45.57036267	-122.7202082	0-1	SIB-118-OHW-0-1-10032022
	TOB	45.57032033	-122.7203085	0-1	SIB-118-TOB-0-1-10042022
		45.57053667	-122.7204977	1-2	SIB-118-TOB-1-2-10042022
119	OHW	45.57053667	-122.7204977	0-1	SIB-119-OHW-0-1-10032022
		45.5705015	-122.7205493	1-2	SIB-119-OHW-1-2-10032022
	TOB	45.57069717	-122.720852	0-1	SIB-119-TOB-0-1-10042022
	TOB	45.57069717	-122.720852	1-2	SIB-119-TOB-1-2-10042022
120	MLW	45.57065317	-122.7208652	0-1	SIB-120-MLW-0-1-10032022
	OHW	45.57065317	-122.7208652	0-1	SIB-120-OHW-0-1-10032022
		45.570641	-122.7212703	1-2	SIB-120-OHW-1-2-10032022
121	TOB	45.57064533	-122.721274	0-1	SIB-120-TOB-0-1-10032022
	MLW	45.57064533	-122.721274	0-1	SIB-121-MLW-0-1-10262022
	OHW	45.57064083	-122.7212702	0-1	SIB-121-OHW-0-1-10262022
122	TOB	45.5665886	-122.7266874	0-1	SIB-121-TOB-0-1-10262022
	MLW	45.5682077	-122.7212325	0-1	SIB-122-MLW-0-1-10262022
		45.5686312	-122.721887	1-2	SIB-122-MLW-1-2-10262022
	OHW	45.5715842	-122.7216182	0-1	SIB-122-OHW-0-1-10262022
	TOB	45.5715842	-122.7216182	0-1	SIB-122-TOB-0-1-10262022
		45.5665893	-122.7266895	1-2	SIB-122-TOB-1-2-10262022
123	OHW	45.5686078	-122.7213937	0-1	SIB-123-OHW-0-1-10262022
	TOB	45.5686078	-122.7213937	0-1	SIB-123-TOB-0-1-10262022
		45.5685494	-122.721375	1-2	SIB-123-TOB-1-2-10262022
124	MLW	45.5685494	-122.721375	0-1	SIB-124-MLW-0-1-10262022
	OHW	45.5665932	-122.7266914	0-1	SIB-124-OHW-0-1-10262022
	TOB	45.5685986	-122.7214651	0-1	SIB-124-TOB-0-1-10262022
125	MLW	45.5665893	-122.7266895	0-1	SIB-125-MLW-0-1-10262022
	OHW	45.5686806	-122.7215426	0-1	SIB-125-OHW-0-1-10262022
	TOB	45.5686806	-122.7215426	0-1	SIB-125-TOB-0-1-10262022
		45.5663215	-122.7262105	1-2	SIB-125-TOB-1-2-10262022

Notes:

Sample collected but not analyzed due to no exceedances in the interval above it.

ft = feet
bgs = below ground surface
ID = identification
MLW = mean low water
N/A = not applicable
NAD83 = North American Datum of 1983
OHW = ordinary high water
TOB = top of bank

Table 3-2
Analytical Summary and Project Action Limits – Analytes with CULs, RALs/PQLs, and PTW Thresholds
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

		Thresholds			#			Non-Detects					Detects				
COC	Unit	CUL	RAL/ PQL	PTW	Locations with COC	Total Non-detect Samples	Total Detect Samples	% of total samples	%NDs <CULs	%NDs >CULs	%NDs >RALs/PQLs	%NDs >PTW	% of total samples	% Detects <CULs	% Detects >CULs	% Detects >RALs/PQLs	% Detects >PTW
1,2,3,4,7,8-HxCDF	pg/g	0.4	NE	400	388	65	323	17%	77%	23%			83%	1%	95%		4%
2,3,4,7,8-PeCDF	pg/g	0.3	200	200	388	82	306	21%	43%	57%			79%	2%	97%		1%
ALDRIN	µg/kg	2.0	NE	NE	298	295	3	99%	100%				1%	33%	67%		
ARSENIC	mg/kg	3.0	NE	NE	357		357						100%	30%	70%		
BEHP	µg/kg	135	NE	NE	322	108	214	34%	98%	1.9%			66%	52%	48%		
CADMIUM	mg/kg	0.5	NE	NE	357	7	350	2%	100%				98%	87%	13%		
COPPER	mg/kg	359	NE	NE	357		357						100%	96%	4%		
DIELDRIN	µg/kg	0.07	NE	NE	342	310	32	91%		100%			9%		100%		
LEAD	mg/kg	196	NE	NE	357		357						100%	94%	6%		
LINDANE	µg/kg	5	NE	NE	298	294	4	99%	100%				1%	100%			
MERCURY	mg/kg	0.085	NE	NE	357	19	338	5%	100%				95%	65%	35%		
NAPHTHALENE	µg/kg	NE	NE	140,000	281	277	4	99%	100%				1%	100%			
PeCDD	pg/g	0.2	2.5	10	388	114	274	29%	16%	74%	5.3%	5.3%	71%	2%	61%	29%	8%
TCDD	pg/g	0.2	1	10	388	272	116	70%	17%	74%	6.3%	2.6%	30%	3%	68%	27%	2%
TCDD TEQ	pg/g	10	NE	NE	388		388						100%	59%	41%		
TCDF	pg/g	0.40658	NE	600	388	151	237	39%	36%	64%			61%	8%	92%		
Total Chlordanes	µg/kg	1.4	NE	NE	298	194	104	65%	100%				35%	21%	79%		
Total cPAH	µg/kg	774	NE	774,000	281	1	280	0%	100%				100%	93%	7%		
Total DDD	µg/kg	114	NE	NE	298	147	151	49%	100%				51%	100%			
Total DDE	µg/kg	50	NE	NE	298	186	112	62%	100%				38%	100%			
Total DDT	µg/kg	246	NE	NE	298	101	197	34%	100%				66%	99%	1%		
Total DDx	µg/kg	6.1	160	7,050	298	78	220	26%	100%				74%	61%	37%	1%	
Total PAH	µg/kg	23,000	30,000	NE	281		281						100%	98%	1%	1%	
Total PCB Aroclors	µg/kg	9	75	200	376	31	345	8%	100%				92%	7%	47%	30%	16%
Total PCB Congeners	pg/g	9,000	75,000	200,000	108	1	107	1%	100%				99%	33%	44%	16%	7%
TPH Diesel	mg/kg	91.000	NE	NE	289	258	31	89%	100%	0.39%			11%	16%	84%		
Tributyltin	µg/kg	3,080	NE	NE	281	49	232	17%	100%				83%	97%	3%		
ZINC	mg/kg	459	NE	NE	357		357						100%	93%	7%		

Notes:

Total Concentrations were calculated using 1/2 of value for non-detects.
< = less than
> = greater than
& = and
% = percent
mg/kg = milligrams per kilogram
pg/g = picograms per gram
µg/kg = micrograms per kilogram

1,2,3,4,7,8-HxCDF = 1,2,3,4,7,8-hexachlorodibenzofuran
2,3,4,7,8-PeCDF = 2,3,4,7,8-pentachlorodibenzofuran
BEHP = bis(2-ethylhexyl)phthalate
cPAH = carcinogenic polycyclic aromatic hydrocarbon
CUL = cleanup level
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT= dichlorodiphenyltrichloroethane

DDx = DDT+DDE+DDD
NE = none established
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
PeCDD = 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PQL = practical quantitation limit
PTW = principal threat waste
RAL = remedial action level

ROD = Record of Design
TCDD = 2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF = 2,3,7,8-tetrachlorodibenzofuran
TEQ = toxic equivalent
TPH = total petroleum hydrocarbons

Table 4-1
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ARSENIC	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	46.1	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.19	mg/kg	119		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	35	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	1	mg/kg	137		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00529	mg/kg	0.082		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	227	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.23		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.86	mg/kg	652		359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	54.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	14.4	mg/kg	402		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00509	mg/kg	0.122		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	49.5	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.58		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	1.82	mg/kg	1,180		359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	92.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	30.5	mg/kg	1,070		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00503	mg/kg	0.166		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	9.69	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.27		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.88	mg/kg	536		359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	39.1	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	14.8	mg/kg	463		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00493	mg/kg	0.0243		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	3.9	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.18	mg/kg	152		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	27.4	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	3	mg/kg	119		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00489	mg/kg	0.0771		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	6.89	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.43	mg/kg	267		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	24.6	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	2.3	mg/kg	271		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00372	mg/kg	0.0482		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	3.18	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.17	mg/kg	118		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	90.4	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.9	mg/kg	128		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00398	mg/kg	0.24		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	6.29	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.86	mg/kg	495		359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	31.1	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	14.5	mg/kg	382		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00475	mg/kg	0.106		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	SW6020B	0.04	mg/kg	2.3		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.11	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	SW6020B	0.2	mg/kg	59.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	SW6020B	0.06	mg/kg	15.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	SW6020B	1.1	mg/kg	126		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	SW7471B	0.00566	mg/kg	0.00652	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	2.94	J	3	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	CADMIUM	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.19	mg/kg	105		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	24.7	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	3.2	mg/kg	117		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00505	mg/kg	0.0539		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	5.16	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.17	mg/kg	240		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	31.1	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.9	mg/kg	232		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.0052	mg/kg	0.0525		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	4.62		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.24	mg/kg	28.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.07	mg/kg	30.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	4	mg/kg	98.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00711	mg/kg	0.347		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	4.44	J	3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	SW6020B	0.04	mg/kg	4.62	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	SW6020B	0.03	mg/kg	0.06	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.18	mg/kg	62.2		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	SW6020B	0.18	mg/kg	37.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	27.8	J	196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	SW6020B	0.13	mg/kg	78.4	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	3.1	mg/kg	88		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	SW6020B	3	mg/kg	84		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00404	mg/kg	0.273		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	SW7471B	0.00545	mg/kg	0.249	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	4.56	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.19	mg/kg	94.05		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	45.4	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	1	mg/kg	130.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00492	mg/kg	0.27475		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	2.66		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.18	mg/kg	112		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	20.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	3	mg/kg	116		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00547	mg/kg	0.0442		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	7.44		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	0.41		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	1.07	mg/kg	456		359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	68.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	18	mg/kg	683		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00611	mg/kg	0.0568		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	2.41		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.2	mg/kg	149		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	14.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	1.1	mg/kg	205		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00601	mg/kg	0.0189	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	3.6		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.17		0.51	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	COPPER	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.19	mg/kg	201		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	35		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	1.1	mg/kg	273		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00451	mg/kg	0.183		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	2.06		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.19	mg/kg	68.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	8.13		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	1	mg/kg	138		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00491	mg/kg	0.00962	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	2.5		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	0.21		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.2	mg/kg	182		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	22.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	1.1	mg/kg	215		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00565	mg/kg	0.0184	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	5.63		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.17	mg/kg	259		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	65.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	7.3	mg/kg	291		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00554	mg/kg	0.117		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	1.81		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.11	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.2	mg/kg	91.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	10.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	1.1	mg/kg	118		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00503	mg/kg	0.00503	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	6.37		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.19	mg/kg	220		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	49.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	1	mg/kg	213		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00414	mg/kg	0.102		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	4.24		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.17		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.19	mg/kg	203		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	44.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	1	mg/kg	239		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00537	mg/kg	0.0782		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	4		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.17	mg/kg	60.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	25.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	2.9	mg/kg	91.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00444	mg/kg	0.365		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	68.5		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	1.27		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	4.38	mg/kg	1,310		359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	222		196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	SW6020B	73.5	mg/kg	1,840		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	SW7471B	0.0039	mg/kg	0.0182	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	29.4		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	2.25		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	4.14	mg/kg	1,820		359	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	1.24	mg/kg	623		196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	SW6020B	69.5	mg/kg	1,220		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	SW7471B	0.00473	mg/kg	0.149		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	10.7	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	0.5		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	1.04	mg/kg	527		359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	125	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	5.6	mg/kg	555		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00589	mg/kg	0.0459		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	3.37		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.21		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.46	mg/kg	269		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.05	mg/kg	40.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	7.7	mg/kg	251		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	SW7471B	0.0049	mg/kg	0.107		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.04	mg/kg	5.52		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.98	mg/kg	738		359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	0.06	mg/kg	119		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	SW6020B	16.4	mg/kg	359		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	SW7471B	0.00571	mg/kg	0.0871		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	27.5		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.17	mg/kg	0.74		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.2	mg/kg	250		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.06	mg/kg	86.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	5.4	mg/kg	524		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00628	mg/kg	0.0554		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	8.86		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.03	mg/kg	0.23		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.17	mg/kg	60	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.05	mg/kg	19	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.9	mg/kg	96.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00495	mg/kg	0.122		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.1	mg/kg	10.4		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.08	mg/kg	0.82		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.47	mg/kg	97	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.14	mg/kg	82.5	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	7.8	mg/kg	349		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00439	mg/kg	0.0644		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.21	mg/kg	14.1		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.16	mg/kg	0.74		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.94	mg/kg	104	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.28	mg/kg	88.6	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	5.1	mg/kg	593		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00494	mg/kg	0.254		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.19	mg/kg	22.7		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.15	mg/kg	1.02		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.89	mg/kg	312	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.53	mg/kg	155	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	9.6	mg/kg	800		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00409	mg/kg	0.376		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	15.2		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.19	mg/kg	53.6	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.06	mg/kg	11	J	196	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ZINC	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	3.2	mg/kg	118		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00518	mg/kg	0.0199	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	7.32		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.37	mg/kg	27.5	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.05	mg/kg	19.7	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	3.1	mg/kg	70		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00488	mg/kg	0.066		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.19	mg/kg	91.1		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.15	mg/kg	1.13		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.86	mg/kg	226	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.26	mg/kg	201	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	4.6	mg/kg	734		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00421	mg/kg	0.194		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.19	mg/kg	51		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.15	mg/kg	1.21		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.88	mg/kg	291	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.26	mg/kg	170	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	4.8	mg/kg	810		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.005	mg/kg	0.143		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.12	mg/kg	50.6		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.09	mg/kg	0.83		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.53	mg/kg	250	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.16	mg/kg	227	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	5.7	mg/kg	640		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00549	mg/kg	0.33		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.15	mg/kg	24		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.15	mg/kg	4.86		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.67	mg/kg	113	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.2	mg/kg	57.5	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	7.2	mg/kg	684		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.0075	mg/kg	0.104		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.1	mg/kg	22.1		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.08	mg/kg	0.42		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.46	mg/kg	83.6	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.14	mg/kg	112	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	2.5	mg/kg	392		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.0093	mg/kg	1.43		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.2	mg/kg	21.3		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.16	mg/kg	1		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.91	mg/kg	253	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.27	mg/kg	296	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	4.9	mg/kg	666		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.0044	mg/kg	0.351		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.39	mg/kg	83.3		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.31	mg/kg	1.76		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	1.8	mg/kg	639	J	359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.54	mg/kg	539	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	9.7	mg/kg	1,180		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00426	mg/kg	0.596		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.46	mg/kg	167		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.36	mg/kg	2.03		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	2.11	mg/kg	708	J	359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.63	mg/kg	247	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	11.4	mg/kg	1,750		459	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	MERCURY	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00518	mg/kg	0.397		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.2	mg/kg	88.6		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.16	mg/kg	0.98		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.93	mg/kg	266	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.28	mg/kg	239	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	5.1	mg/kg	724		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00435	mg/kg	0.284		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	32.8		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.32	mg/kg	1.66		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	1.85	mg/kg	556	J	359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.55	mg/kg	203	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	31.1	mg/kg	866		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00542	mg/kg	0.15	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.05	mg/kg	26.2		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	0.92		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.23	mg/kg	324	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.35	mg/kg	395	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	6.3	mg/kg	539		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	SW7471B	0.0062	mg/kg	0.366	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	2.56		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.03	mg/kg	0.03	U	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.4	mg/kg	18.7	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.06	mg/kg	4.61	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	3.3	mg/kg	53.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00541	mg/kg	0.0328	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	3.88		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.2	mg/kg	239	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.06	mg/kg	47	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	3.4	mg/kg	85.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00515	mg/kg	0.0428	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	2.75		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.18	mg/kg	27.6	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.05	mg/kg	56.2	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	3.1	mg/kg	70.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00473	mg/kg	0.0229	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.05	mg/kg	7.83		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	0.18		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.21	mg/kg	56.9	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.32	mg/kg	181	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	3.6	mg/kg	168		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00504	mg/kg	0.00504	UJ	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	5.54		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.19	mg/kg	141	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.06	mg/kg	11.4	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	3.3	mg/kg	101		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00546	mg/kg	0.00546	UJ	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	3.81		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.2	mg/kg	33.5	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	0.06	mg/kg	27.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	SW6020B	3.3	mg/kg	116		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00566	mg/kg	0.0539	J	0.085	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ARSENIC	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.04	mg/kg	2.89		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.18	mg/kg	17.25	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	0.06	mg/kg	5.755	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	SW6020B	3.1	mg/kg	51.65		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	SW7471B	0.00472	mg/kg	0.00472	UJ	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	4.35		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.2	mg/kg	33.7	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.06	mg/kg	15.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	3.4	mg/kg	104		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00639	mg/kg	0.00639	UJ	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	2.58		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.18	mg/kg	47.8	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	21.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	3	mg/kg	75.3		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00529	mg/kg	0.0307	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	9.44		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.18		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.2	mg/kg	207	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.15	mg/kg	130	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	3.4	mg/kg	186		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00449	mg/kg	0.00449	UJ	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	2.6		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.18	mg/kg	37	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	17.8	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	3	mg/kg	77.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00519	mg/kg	0.0417	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	5.75		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.22	mg/kg	183	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.07	mg/kg	46	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	3.8	mg/kg	123		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	SW7471B	0.0056	mg/kg	0.0207	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	6.44		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.26		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.9	mg/kg	349	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.27	mg/kg	46.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	3	mg/kg	144		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00446	mg/kg	0.00446	UJ	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	2.71		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.35		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.19	mg/kg	38.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.14	mg/kg	60	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	3.2	mg/kg	130		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00562	mg/kg	0.0777	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	11.4		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.14		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.93	mg/kg	836	J	359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.28	mg/kg	26.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	15.6	mg/kg	367		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	SW7471B	0.00488	mg/kg	0.00488	UJ	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	16	J	3	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	CADMIUM	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.48		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.18	mg/kg	198	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	75.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	15	mg/kg	410		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00461	mg/kg	0.0657	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	13.3		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	1.4		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	1.8	mg/kg	581	J	359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.54	mg/kg	296	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	9.7	mg/kg	1,390		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	SW7471B	0.00523	mg/kg	0.189	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.44	mg/kg	615	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.34	mg/kg	1.9		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	1.99	mg/kg	1,580	J	359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.6	mg/kg	852	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	53.8	mg/kg	3,670		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00589	mg/kg	1.23	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	6.56	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.145		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.17	mg/kg	34.95	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	25.55	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	2.9	mg/kg	96.45		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	SW7471B	0.00406	mg/kg	0.127	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	4.08	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.19	mg/kg	50.9	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.06	mg/kg	85	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	3.2	mg/kg	176		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00416	mg/kg	0.0486	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	6.73	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.7		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.18	mg/kg	156	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	84	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	15.3	mg/kg	446		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	SW7471B	0.00395	mg/kg	0.0415	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	2.36	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.18	mg/kg	29.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	93.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	3.1	mg/kg	118		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00522	mg/kg	0.0293	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	5.1	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.38		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.18	mg/kg	122	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.27	mg/kg	304	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	1	mg/kg	237		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	SW7471B	0.00429	mg/kg	0.0947	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	2.56	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.19	mg/kg	32	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	0.06	mg/kg	51.5	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	SW6020B	3.1	mg/kg	123		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00401	mg/kg	0.0283	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	2.86	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.13		0.51	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	COPPER	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.18	mg/kg	33.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	40	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	SW6020B	3	mg/kg	118		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	SW7471B	0.00492	mg/kg	0.0405	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.04	mg/kg	4.73	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.03	mg/kg	0.17		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.18	mg/kg	32.8	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	0.05	mg/kg	58.5	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	SW6020B	3.1	mg/kg	126		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	SW7471B	0.00478	mg/kg	0.047	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	2.485	J	3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	SW6020B	0.04	mg/kg	2.32	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.17	mg/kg	22.7	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	SW6020B	0.17	mg/kg	20.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	28.6	J	196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	SW6020B	0.05	mg/kg	21.7	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	2.9	mg/kg	69.15		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	SW6020B	2.9	mg/kg	54.3		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	SW7471B	0.00485	mg/kg	0.137	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	SW7471B	0.00528	mg/kg	0.122	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	8.88	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.39		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.17	mg/kg	220	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.25	mg/kg	345	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	14.2	mg/kg	453		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	SW7471B	0.00496	mg/kg	0.0896	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	7.63	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.26		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.17	mg/kg	40.1	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	67.1	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	2.9	mg/kg	121		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	SW7471B	0.00426	mg/kg	0.0482	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	5.66	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.42		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.18	mg/kg	66.4	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	84.5	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	3.1	mg/kg	187		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	SW7471B	0.00536	mg/kg	0.0526	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	3.15	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.18	mg/kg	52.5	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	84.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	3	mg/kg	162		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	SW7471B	0.00479	mg/kg	0.0596	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	2.11	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.18	mg/kg	44.6	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	36.5	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	3	mg/kg	85.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	SW7471B	0.00441	mg/kg	0.0265	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	2.59	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.32		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.17	mg/kg	21.6	J	359	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	136	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	2.8	mg/kg	118		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	SW7471B	0.00518	mg/kg	0.0767	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	4.82	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.36		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.18	mg/kg	142	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	192	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	14.9	mg/kg	375		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	SW7471B	0.00775	mg/kg	1.7	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	4.17	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.21		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	SW6020B	0.39	mg/kg	36.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	SW6020B	0.06	mg/kg	84.1	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	SW6020B	3.3	mg/kg	119		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	SW7471B	0.00464	mg/kg	0.0364	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	3.15		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.18	mg/kg	32.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	54.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	SW6020B	3	mg/kg	87.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	SW7471B	0.00403	mg/kg	0.0901		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.04	mg/kg	7.48		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.03	mg/kg	0.51		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.17	mg/kg	104		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	0.05	mg/kg	216		196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	SW6020B	14.7	mg/kg	298		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	SW7471B	0.0047	mg/kg	0.173		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	2.1		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.17	mg/kg	25.8	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	8.84	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	2.8	mg/kg	51.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00421	mg/kg	0.0237		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	5.27		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.31		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.18	mg/kg	118	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	245	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	3.1	mg/kg	257		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	SW7471B	0.00426	mg/kg	0.179		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	2.34		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.18	mg/kg	21.3	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	32.8	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	4.9	mg/kg	590		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00393	mg/kg	0.0875		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	3.44		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.27		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.18	mg/kg	58.4	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	121	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	1	mg/kg	211		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	SW7471B	0.00489	mg/kg	0.133		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	3.43		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.19	mg/kg	25	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.06	mg/kg	81.9	J	196	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ZINC	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	3.2	mg/kg	101		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00502	mg/kg	0.0475		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	2.77		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.17	mg/kg	23.3	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	33.4	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	2.8	mg/kg	81.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00507	mg/kg	0.0474		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	3.03		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.36		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.18	mg/kg	36.5	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	87.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	3	mg/kg	136		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	SW7471B	0.00446	mg/kg	0.0696		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	3.7		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.13		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.2	mg/kg	37.1	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.06	mg/kg	127	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	3.4	mg/kg	93.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00485	mg/kg	0.0608		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	4.42		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.45		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.17	mg/kg	36.1	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	141	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	2.9	mg/kg	129		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.0049	mg/kg	0.0494		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	6.43		3	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.0049	mg/kg	0.0494		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	6.43		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	SW6020B	0.04	mg/kg	7.2	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.27		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	SW6020B	0.03	mg/kg	0.14		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.18	mg/kg	37.3	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	SW6020B	0.18	mg/kg	24.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	59.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	SW6020B	0.13	mg/kg	19.8	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW6020B	3	mg/kg	153		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	SW6020B	3	mg/kg	67.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW7471B	0.00394	mg/kg	0.052		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	SW7471B	0.00521	mg/kg	0.038	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	2.615		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	0.095	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.21	mg/kg	23.35	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.06	mg/kg	47.45	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	3.5	mg/kg	76.75		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	SW7471B	0.0054	mg/kg	0.02245	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	3.68		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.44		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.18	mg/kg	37.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	84.2	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	3	mg/kg	150		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00561	mg/kg	0.0695		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	16.2		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.2	mg/kg	39.8	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.06	mg/kg	92.1	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	3.4	mg/kg	224		459	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	MERCURY	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00563	mg/kg	0.0491		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	4.19		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.29		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.18	mg/kg	23.1	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	101	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	3	mg/kg	109		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00451	mg/kg	0.0626		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	2.93		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.19	mg/kg	27.8	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.06	mg/kg	66.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	3.1	mg/kg	97.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00447	mg/kg	0.0302		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	3.36		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.19	mg/kg	38	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.06	mg/kg	51.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	3.2	mg/kg	97.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00551	mg/kg	0.0669		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	3.26		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.2	mg/kg	19.6	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	0.06	mg/kg	29.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	SW6020B	3.4	mg/kg	76.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00581	mg/kg	0.0328		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.04	mg/kg	1.8		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.03	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.17	mg/kg	18.7	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	0.05	mg/kg	16.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	SW6020B	2.9	mg/kg	55.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	SW7471B	0.00528	mg/kg	0.0263		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	4.51		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	0.06	mg/kg	3.84	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	0.06	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	0.04	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.21	mg/kg	34.5	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	0.26	mg/kg	31.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.16	mg/kg	70.8		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	0.08	mg/kg	32.6	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	3.5	mg/kg	105		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	4.4	mg/kg	112		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00486	mg/kg	0.0547		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	SW7471B	0.00726	mg/kg	0.0371	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	4.88		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.19	mg/kg	1.4		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.22	mg/kg	205	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.33	mg/kg	161		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	5.9	mg/kg	496		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00667	mg/kg	0.454		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	3.66		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.17	mg/kg	21.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	15.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	2.9	mg/kg	65.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	SW7471B	0.00508	mg/kg	0.0316		0.085	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ARSENIC	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	3.32		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	0.05	mg/kg	11.5	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.14		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	0.04	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.19	mg/kg	39.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	0.21	mg/kg	83.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.06	mg/kg	17		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	0.06	mg/kg	19.4	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	3.2	mg/kg	104		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	SW6020B	3.5	mg/kg	87.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00517	mg/kg	0.0625		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	SW7471B	0.00652	mg/kg	0.181	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	3.52		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.29		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.38	mg/kg	37.6	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.14	mg/kg	64.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	3.2	mg/kg	138		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00544	mg/kg	0.119		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	3.37		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.18	mg/kg	25	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	16.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	3	mg/kg	62.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	SW7471B	0.00539	mg/kg	0.0674		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	2.8		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.19	mg/kg	23.5	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.06	mg/kg	7.55		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	3.1	mg/kg	83.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00439	mg/kg	0.0216		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	2.15		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.03	U	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.18	mg/kg	15.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	3.65		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	3	mg/kg	46		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00386	mg/kg	0.0154	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	2.38		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.04	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.17	mg/kg	17.7	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	6.43		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	2.9	mg/kg	49.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	SW7471B	0.00449	mg/kg	0.0176	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	2.39		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.04	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.18	mg/kg	17.1	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	5.29		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	3.1	mg/kg	60.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00465	mg/kg	0.00924	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	2.41		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.045	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.17	mg/kg	16.05	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	4.62		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	2.9	mg/kg	45.65		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00478	mg/kg	0.0219	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	2.04		3	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	CADMIUM	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.04	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.17	mg/kg	14.1	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	4.19		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	2.9	mg/kg	45.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	SW7471B	0.00374	mg/kg	0.0176	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	2.51		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	0.04	U	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.21	mg/kg	14	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	0.06	mg/kg	3.16		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	SW6020B	3.5	mg/kg	44.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00595	mg/kg	0.0087	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	3.355		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	SW6020B	0.04	mg/kg	2.74	J	3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	SW6020B	0.04	mg/kg	2.3	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.11	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	SW6020B	0.03	mg/kg	0.06	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.17	mg/kg	20	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	SW6020B	0.18	mg/kg	17.9		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	SW6020B	0.18	mg/kg	17.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	6.26		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	SW6020B	0.05	mg/kg	4.6	J	196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	SW6020B	0.05	mg/kg	4.55	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	SW6020B	2.8	mg/kg	65.95		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	SW6020B	2.9	mg/kg	49.8		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	SW6020B	3	mg/kg	49		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	SW7471B	0.00442	mg/kg	0.01485	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	SW7471B	0.00462	mg/kg	0.0185	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	SW7471B	0.00456	mg/kg	0.0206	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.04	mg/kg	1.74		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.17	mg/kg	16.5	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	0.05	mg/kg	4.28		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	SW6020B	2.9	mg/kg	43.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	SW7471B	0.00426	mg/kg	0.0228		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	2.56	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.18	mg/kg	17.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.05	mg/kg	4.96	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	3	mg/kg	62.3		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	SW7471B	0.00464	mg/kg	0.012	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	2.27	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.17	mg/kg	17.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.05	mg/kg	3.94	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	2.9	mg/kg	49.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	SW7471B	0.005	mg/kg	0.0161	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	1.89	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.03	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.18	mg/kg	15.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.05	mg/kg	3.25	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	3	mg/kg	48.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	SW7471B	0.00479	mg/kg	0.0512		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	2.27		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	COPPER	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.18	mg/kg	14.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.05	mg/kg	3.56		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	3	mg/kg	49.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	SW7471B	0.00509	mg/kg	0.00633	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	3.1		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	SW6020B	0.04	mg/kg	3.01	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.17	mg/kg	22.4		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	SW6020B	0.18	mg/kg	20.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.05	mg/kg	11.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	SW6020B	0.13	mg/kg	10.7	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	2.8	mg/kg	67.1		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	SW6020B	3	mg/kg	62		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	SW7471B	0.0053	mg/kg	0.0396		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	SW7471B	0.00525	mg/kg	0.0243	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	1.8		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.03	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.18	mg/kg	15.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.05	mg/kg	4.11		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	3	mg/kg	44.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	SW7471B	0.00413	mg/kg	0.0144	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	2.53		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.19	mg/kg	21.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	0.06	mg/kg	12.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	SW6020B	3.2	mg/kg	73.4	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	SW7471B	0.00459	mg/kg	0.00459	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	1.96		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.17	mg/kg	15.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	0.05	mg/kg	5.26		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	SW6020B	2.8	mg/kg	55.8	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	SW7471B	0.00391	mg/kg	0.00521	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.04	mg/kg	2.3		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.17	mg/kg	31.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	0.05	mg/kg	8.12		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	SW6020B	2.9	mg/kg	61.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	SW7471B	0.00487	mg/kg	0.0189	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	2.89		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	0.34		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.23	mg/kg	42.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.07	mg/kg	16.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	3.8	mg/kg	97.2	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00591	mg/kg	0.0462		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	3.73		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.17	mg/kg	50.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	25.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	2.9	mg/kg	88.3	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	SW7471B	0.0043	mg/kg	0.0194	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	3.85		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.25	mg/kg	24		359	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.08	mg/kg	15.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	4.2	mg/kg	121	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00526	mg/kg	0.0304		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	3.56		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.49		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.18	mg/kg	35.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	77.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	3.1	mg/kg	135	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00454	mg/kg	0.027		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	2.1		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.14		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.17	mg/kg	26.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	23.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	2.9	mg/kg	78.9	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	SW7471B	0.00426	mg/kg	0.0249		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	2.32		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.23	mg/kg	17		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.07	mg/kg	12		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	3.8	mg/kg	83.3	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00514	mg/kg	0.0174	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	4.74		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.04	mg/kg	4.46		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.03	mg/kg	0.11		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.18	mg/kg	28.9		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.17	mg/kg	27.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	24		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.13	mg/kg	16.5	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	3	mg/kg	111	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	2.9	mg/kg	73.4		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00408	mg/kg	0.00842	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	SW7471B	0.00434	mg/kg	0.35	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	6.5		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.04	mg/kg	6.99		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	SW6020B	0.04	mg/kg	6.04		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	1.06		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.03	mg/kg	0.23		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	SW6020B	0.03	mg/kg	0.17		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.18	mg/kg	54.3		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.19	mg/kg	28.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	SW6020B	0.18	mg/kg	23.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.27	mg/kg	463		196	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.14	mg/kg	74.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	SW6020B	0.13	mg/kg	30.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	1	mg/kg	236	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	3.2	mg/kg	97.5		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	SW6020B	3	mg/kg	79.3		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	SW7471B	0.00542	mg/kg	0.242		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	SW7471B	0.00544	mg/kg	0.0686	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	SW7471B	0.0045	mg/kg	0.036	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	3.3		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	0.135	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.22	mg/kg	29.85		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.07	mg/kg	12.9		196	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ZINC	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	3.7	mg/kg	80.35	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00536	mg/kg	0.0831	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	3.54		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.04	mg/kg	2.85		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.18	mg/kg	34.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.18	mg/kg	31.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.06	mg/kg	41.5		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.06	mg/kg	38.6	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	3.1	mg/kg	116	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	3.1	mg/kg	93.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00552	mg/kg	0.00552	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	SW7471B	0.00573	mg/kg	0.152	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	4.56		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.04	mg/kg	6.25		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.18	mg/kg	29		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.17	mg/kg	69		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	28.3		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.13	mg/kg	22.7	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	3	mg/kg	94.5	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	2.9	mg/kg	95.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	SW7471B	0.00426	mg/kg	0.0585		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	SW7471B	0.00514	mg/kg	0.84	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	3.12		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.21	mg/kg	21.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.06	mg/kg	9.37		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	3.6	mg/kg	71.1	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00616	mg/kg	0.0269	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	2.78		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.19	mg/kg	36.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.06	mg/kg	19.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	3.1	mg/kg	103	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00492	mg/kg	0.0638		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	3.38		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.04	mg/kg	2.78		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.42		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.07	mg/kg	0.5		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.17	mg/kg	25.3		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.17	mg/kg	23		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	45.6		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.13	mg/kg	28.3	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	2.8	mg/kg	118	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	2.9	mg/kg	91		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	SW7471B	0.00401	mg/kg	0.0557		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	SW7471B	0.00532	mg/kg	0.0692	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	3.22		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.22	mg/kg	17.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	0.06	mg/kg	7.72		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW6020B	3.6	mg/kg	78.8	J	459	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	MERCURY	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00561	mg/kg	0.0449		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	3.02		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.04	mg/kg	2.34		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.13		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.18	mg/kg	24.2		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.18	mg/kg	18		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	10		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	0.05	mg/kg	4.8	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	SW6020B	1	mg/kg	191	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	SW6020B	3	mg/kg	54.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	SW7471B	0.00492	mg/kg	0.0265		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	SW7471B	0.00397	mg/kg	0.0842	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.04	mg/kg	3.21		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.04	mg/kg	3.04		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.18	mg/kg	26.3		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.18	mg/kg	18.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	0.05	mg/kg	36.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	0.13	mg/kg	13.5	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	SW6020B	3	mg/kg	104	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	SW6020B	3	mg/kg	63.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	SW7471B	0.0044	mg/kg	0.0639		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	SW7471B	0.00399	mg/kg	0.0481	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	3.73		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.06	mg/kg	4.06		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	3.73		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.06	mg/kg	4.06		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	0.11		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.05	mg/kg	0.21		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.24	mg/kg	26.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.26	mg/kg	33.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.07	mg/kg	11.4		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.2	mg/kg	16.6	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	4	mg/kg	76.2		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	4.4	mg/kg	93.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00602	mg/kg	0.115		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	SW7471B	0.00683	mg/kg	0.386	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	4.04		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	1.1		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.18	mg/kg	25		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.14	mg/kg	32.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	1	mg/kg	175		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00506	mg/kg	0.0874		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.1	mg/kg	3.3		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.04	mg/kg	2.77		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	0.27		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.19	mg/kg	23.2		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.18	mg/kg	23.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.14	mg/kg	41.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.05	mg/kg	19.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	3.1	mg/kg	133		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	2.9	mg/kg	86		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	SW7471B	0.00492	mg/kg	0.0724		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	SW7471B	0.00546	mg/kg	0.0614	J	0.085	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ARSENIC	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	3.77		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.06	mg/kg	3.59		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	0.11		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.05	mg/kg	0.12	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.23	mg/kg	22.9		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.27	mg/kg	30.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.07	mg/kg	10.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.2	mg/kg	6.99	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	3.9	mg/kg	78.2		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	4.5	mg/kg	72.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00563	mg/kg	0.0972	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	SW7471B	0.00684	mg/kg	0.0456	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	5.31		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	0.04	mg/kg	3.04		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	0.68		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	0.03	mg/kg	0.33		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.2	mg/kg	29.2		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	0.18	mg/kg	19.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.06	mg/kg	30.5		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	0.05	mg/kg	13	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	3.4	mg/kg	121		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	3.1	mg/kg	55.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00572	mg/kg	0.0888	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	SW7471B	0.00453	mg/kg	0.063	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.1	mg/kg	5.56		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.08	mg/kg	0.96		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.47	mg/kg	49.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.14	mg/kg	132		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	2.5	mg/kg	235		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	SW7471B	0.00519	mg/kg	0.206		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	8.23		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	0.07		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.23	mg/kg	17.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.07	mg/kg	10.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	3.9	mg/kg	82.4		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00605	mg/kg	0.0385	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	2.87		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.17	mg/kg	29.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	15.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	2.9	mg/kg	85.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00547	mg/kg	0.141	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	5.62		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.08	mg/kg	0.32		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.18	mg/kg	36.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.13	mg/kg	62.4	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	3	mg/kg	131		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	SW7471B	0.00473	mg/kg	0.0858	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	3.72		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.05	mg/kg	4.53		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	0.14		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.04	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.23	mg/kg	24.1		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.25	mg/kg	36.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.07	mg/kg	14.5		196	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.19	mg/kg	15.7	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	3.9	mg/kg	93.5		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	4.2	mg/kg	92.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00557	mg/kg	0.055	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	SW7471B	0.00627	mg/kg	0.178	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	2.79		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	0.1		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.18	mg/kg	27.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	11.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	3.1	mg/kg	73.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00546	mg/kg	0.104	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	3.98		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.04	mg/kg	4.17		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	0.3		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.03	mg/kg	0.31		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.18	mg/kg	28.7		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.19	mg/kg	25.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	26.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.14	mg/kg	20	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	3.1	mg/kg	89.9		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	3.1	mg/kg	78.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	SW7471B	0.00521	mg/kg	0.0324	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	SW7471B	0.0041	mg/kg	0.0247	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	2.36		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	0.08		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.22	mg/kg	17.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.07	mg/kg	17.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	3.7	mg/kg	66.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	SW7471B	0.0064	mg/kg	0.033	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	9.35		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.35	mg/kg	1.29		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.2	mg/kg	176		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.6	mg/kg	893		196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	10.9	mg/kg	941		459	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00571	mg/kg	0.111	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	4.95		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	0.51		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.18	mg/kg	37.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	58.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	7.6	mg/kg	261		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	SW7471B	0.00399	mg/kg	0.0469	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	6.56		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.05	mg/kg	5.58		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	0.04	U	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.04	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.22	mg/kg	14.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.23	mg/kg	16.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	0.06	mg/kg	3.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	0.07	mg/kg	4.11		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	SW6020B	3.6	mg/kg	48.6		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	10/12/2022	SW6020B	3.8	mg/kg	53.3		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00532	mg/kg	0.0106	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	10/12/2022	SW7471B	0.00679	mg/kg	0.0405	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	2.445		3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	0.04	mg/kg	2.71		3	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	CADMIUM	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	0.03	mg/kg	0.11		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.17	mg/kg	23.75		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	0.18	mg/kg	20.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	0.05	mg/kg	14.4		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	0.05	mg/kg	7.87		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	SW6020B	2.9	mg/kg	77.2		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	SW6020B	3	mg/kg	74.4		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	SW7471B	0.00369	mg/kg	0.08545	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	SW7471B	0.00416	mg/kg	0.0551	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.04	mg/kg	2.61		3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.04	mg/kg	3.26		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.03	mg/kg	0.36		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.19	mg/kg	29.4		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.19	mg/kg	33.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	0.06	mg/kg	31.3		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	0.06	mg/kg	17.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	SW6020B	3.2	mg/kg	99.4		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	SW6020B	3.1	mg/kg	85.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	SW7471B	0.00405	mg/kg	0.105	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	SW7471B	0.00557	mg/kg	0.119	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	3.54		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.06	mg/kg	3.68		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	0.08		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.04	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.24	mg/kg	35.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.26	mg/kg	30.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.07	mg/kg	6.29		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.19	mg/kg	5.56	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	4	mg/kg	69.4		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	4.3	mg/kg	68		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	SW7471B	0.0054	mg/kg	0.0382	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	10/11/2022	SW7471B	0.00548	mg/kg	0.0354	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	16.7		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	1.89		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.18	mg/kg	124		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	262		196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	15.4	mg/kg	338		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	SW7471B	0.00556	mg/kg	0.221	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	2.94		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.69		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.19	mg/kg	47		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.06	mg/kg	44.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	8.1	mg/kg	212		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	SW7471B	0.00563	mg/kg	0.103	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	5.12		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	0.08		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.22	mg/kg	21.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.06	mg/kg	10.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	3.6	mg/kg	64.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	SW7471B	0.00471	mg/kg	0.027	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	3.05		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.18	mg/kg	34.1		359	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	21.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	3.1	mg/kg	124		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	SW7471B	0.00544	mg/kg	0.157	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	3.38		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	0.04	mg/kg	3.52		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	0.03	mg/kg	0.11		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.18	mg/kg	29		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	0.18	mg/kg	25.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	23.1		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	0.27	mg/kg	17.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	3	mg/kg	87.5		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	3	mg/kg	83.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	SW7471B	0.00515	mg/kg	0.124	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	SW7471B	0.00515	mg/kg	0.083	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.06	mg/kg	3.48		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.06	mg/kg	3.55		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	0.07		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.05	mg/kg	0.17		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.26	mg/kg	34.7		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.27	mg/kg	35.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.08	mg/kg	6.35		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.4	mg/kg	6.32		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	4.3	mg/kg	66		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	4.5	mg/kg	69.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	SW7471B	0.00698	mg/kg	0.0364		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	SW7471B	0.00813	mg/kg	0.0459	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	2.39		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.33		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.18	mg/kg	23.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	16.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	3.1	mg/kg	107		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	SW7471B	0.00522	mg/kg	0.0605		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	2.43		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.13		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.17	mg/kg	20.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	14.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	2.8	mg/kg	73.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	SW7471B	0.00408	mg/kg	0.0419		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.06	mg/kg	4.805		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.06	mg/kg	3.46		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	0.075	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.05	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.26	mg/kg	35.3		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.28	mg/kg	36.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.08	mg/kg	6.45		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	0.41	mg/kg	6.77		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	4.4	mg/kg	65.2		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	SW6020B	4.7	mg/kg	62.4		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	SW7471B	0.00631	mg/kg	0.0396		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	SW7471B	0.00646	mg/kg	0.0596	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	2.57		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.26		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.18	mg/kg	30.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	28.8		196	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ZINC	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	3.1	mg/kg	134		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	SW7471B	0.0052	mg/kg	0.0805		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	3.1		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	0.04	mg/kg	2.84		3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	SW6020B	0.04	mg/kg	2.89		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.35		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	SW6020B	0.03	mg/kg	0.13		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.18	mg/kg	36.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	0.19	mg/kg	29.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	SW6020B	0.19	mg/kg	28.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.06	mg/kg	39.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	0.06	mg/kg	23.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	SW6020B	0.28	mg/kg	18.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	7.7	mg/kg	128		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	SW6020B	3.2	mg/kg	80.8		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	SW6020B	3.1	mg/kg	73		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	SW7471B	0.0041	mg/kg	0.182		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	SW7471B	0.0046	mg/kg	0.19	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	SW7471B	0.00506	mg/kg	0.149	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	2.92		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.21	mg/kg	25.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	0.06	mg/kg	40.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	SW6020B	3.6	mg/kg	93.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	SW7471B	0.00587	mg/kg	0.0302		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	3.92		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.34		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.18	mg/kg	32.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	0.05	mg/kg	34.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	SW6020B	3	mg/kg	156		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	SW7471B	0.00434	mg/kg	0.112		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.04	mg/kg	3.01		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.03	mg/kg	0.47		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.19	mg/kg	45.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	0.06	mg/kg	37		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	SW6020B	3.1	mg/kg	163		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	SW7471B	0.00474	mg/kg	0.183		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	11.7		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.15	mg/kg	5.53		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	0.06	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.05	mg/kg	0.15	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.23	mg/kg	16.2		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.27	mg/kg	32.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.07	mg/kg	10.6		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.2	mg/kg	6.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	3.9	mg/kg	76.5		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	4.6	mg/kg	72.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00486	mg/kg	0.019	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	SW7471B	0.00592	mg/kg	0.0327	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	2.27	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.17	mg/kg	18.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	12.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	2.9	mg/kg	68.1	J	459	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	MERCURY	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00399	mg/kg	0.0637	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	2.71	J	3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.04	mg/kg	3.43		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	0.04	mg/kg	4.91		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.29		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.03	mg/kg	0.39		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	0.03	mg/kg	0.32		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.17	mg/kg	40.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.18	mg/kg	52.2		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	0.18	mg/kg	91.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	33.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.27	mg/kg	39.8		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	0.27	mg/kg	104		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.9	mg/kg	136	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	3	mg/kg	146		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	3	mg/kg	161		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	SW7471B	0.00485	mg/kg	0.118	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	SW7471B	0.00472	mg/kg	0.0409	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	SW7471B	0.00494	mg/kg	0.144	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.06	mg/kg	2.94	J	3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.06	mg/kg	2.48		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	0.095	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.05	mg/kg	0.05	U	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.28	mg/kg	31.4		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.58	mg/kg	30.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.08	mg/kg	6.505		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.21	mg/kg	5.69		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	4.7	mg/kg	61.25	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	4.8	mg/kg	59.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00623	mg/kg	0.03285	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	SW7471B	0.00747	mg/kg	0.0359	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	3.37		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.04	mg/kg	3.23		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.52		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.18	mg/kg	60.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.17	mg/kg	30		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	47.2		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.13	mg/kg	27.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	7.7	mg/kg	209		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	2.9	mg/kg	92.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00553	mg/kg	0.113		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	SW7471B	0.0054	mg/kg	0.0545	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	2.38		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.53		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.18	mg/kg	52.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	32.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	3	mg/kg	136		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	SW7471B	0.00426	mg/kg	0.446		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	6.02		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.05	mg/kg	7.53		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.04	mg/kg	0.13	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.2	mg/kg	20.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.25	mg/kg	24.5		359	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.06	mg/kg	11.6		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.19	mg/kg	11.4		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	3.4	mg/kg	71		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	4.2	mg/kg	77.4		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00483	mg/kg	0.0705		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	SW7471B	0.006	mg/kg	0.0439	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	3.59		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.04	mg/kg	3.72		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.48		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.03	mg/kg	0.58		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.18	mg/kg	61.2		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.2	mg/kg	62.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	59.6		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.15	mg/kg	64.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	3	mg/kg	153		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	3.3	mg/kg	154		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00581	mg/kg	0.213		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	SW7471B	0.00518	mg/kg	0.136	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	5.16		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.63		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.19	mg/kg	40.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.06	mg/kg	19.4		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	3.2	mg/kg	167		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	SW7471B	0.00609	mg/kg	0.0747		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	7.4		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.05	mg/kg	3.39		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	0.11	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.04	mg/kg	0.18		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.22	mg/kg	26.1		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.24	mg/kg	31.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.07	mg/kg	13.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.18	mg/kg	6.21		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	3.7	mg/kg	81.3		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	4.1	mg/kg	72.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00572	mg/kg	0.0721		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	SW7471B	0.00644	mg/kg	0.0451	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	3.32		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.04	mg/kg	2.63		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	1.97		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.08	mg/kg	1.21		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.2	mg/kg	191		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.37	mg/kg	44.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.06	mg/kg	128		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	0.14	mg/kg	78.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	16.5	mg/kg	466		459	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	SW6020B	7.8	mg/kg	299		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00623	mg/kg	0.39		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	SW7471B	0.00553	mg/kg	0.413	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	3.62		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.1	mg/kg	3.25		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.81		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.03	mg/kg	0.29		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.17	mg/kg	52.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.36	mg/kg	27.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	64.7		196	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.13	mg/kg	49.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	7.2	mg/kg	266		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	3	mg/kg	122		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	SW7471B	0.00526	mg/kg	0.159		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	SW7471B	0.00536	mg/kg	0.124	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	2.52		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.23	mg/kg	19.3	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.07	mg/kg	6.02		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	3.9	mg/kg	58.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00631	mg/kg	0.0338		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	3.94		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.6		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.18	mg/kg	58.5	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	59.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	15.3	mg/kg	393		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00562	mg/kg	0.189		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	4.53		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.04	mg/kg	4.98		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	0.04	mg/kg	3.96		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	3.88		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.03	mg/kg	5.7		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	0.08	mg/kg	1.5		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.18	mg/kg	96.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.18	mg/kg	142		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	0.19	mg/kg	49.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	72.2		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.14	mg/kg	78.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	0.14	mg/kg	39.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	3.1	mg/kg	151		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	3.1	mg/kg	136		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	SW6020B	1	mg/kg	170		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	SW7471B	0.00516	mg/kg	0.133		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	SW7471B	0.00553	mg/kg	0.166	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	SW7471B	0.00478	mg/kg	0.122	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.05	mg/kg	5.17		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.06	mg/kg	5.48		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.05	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.22	mg/kg	21.4	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.27	mg/kg	28.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	0.07	mg/kg	27.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	0.08	mg/kg	10.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	SW6020B	3.7	mg/kg	86.2		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	SW6020B	4.5	mg/kg	76.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00628	mg/kg	0.0939		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	SW7471B	0.00703	mg/kg	0.0896	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	1.71		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.2	mg/kg	26.1	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	0.06	mg/kg	14.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	SW6020B	3.3	mg/kg	140		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	SW7471B	0.00591	mg/kg	0.0495		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.04	mg/kg	3.81		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.04	mg/kg	3.64		3	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	CADMIUM	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.03	mg/kg	0.39		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.03	mg/kg	0.32		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.19	mg/kg	43.3	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.39	mg/kg	36.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	0.06	mg/kg	32.8		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	0.06	mg/kg	18.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW6020B	1	mg/kg	217		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	SW6020B	3.3	mg/kg	128		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW7471B	0.00539	mg/kg	0.24		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	SW7471B	0.00511	mg/kg	0.211	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	2.69		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.2	mg/kg	17.1	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	9.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	3.3	mg/kg	64.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00492	mg/kg	0.0261		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.98		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.05	mg/kg	4.62		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	SW6020B	0.05	mg/kg	4.59		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.44		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	0.45		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	SW6020B	0.04	mg/kg	0.37		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.18	mg/kg	46.4	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.42	mg/kg	47		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	SW6020B	0.42	mg/kg	45.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	27.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.06	mg/kg	26.1		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	SW6020B	0.16	mg/kg	29.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	3.1	mg/kg	160		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	3.5	mg/kg	136		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	SW6020B	3.5	mg/kg	123		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00524	mg/kg	0.298		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	SW7471B	0.00563	mg/kg	0.433	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	SW7471B	0.00448	mg/kg	0.213	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.59		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	3.47		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.04	mg/kg	3.59		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.52		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.03	mg/kg	0.45		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.03	mg/kg	0.34		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.19	mg/kg	44.4	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.37	mg/kg	39.4		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.4	mg/kg	36.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	23.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.06	mg/kg	19.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.06	mg/kg	17		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	3.2	mg/kg	183		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	3.1	mg/kg	149		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	3.3	mg/kg	102		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	SW7471B	0.00563	mg/kg	0.234		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	SW7471B	0.00502	mg/kg	0.234	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	SW7471B	0.00507	mg/kg	0.198	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	3.13		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.25	mg/kg	41.3	J	359	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.07	mg/kg	7.86		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	4.2	mg/kg	76		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	SW7471B	0.0057	mg/kg	0.0597		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.18		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.49		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.19	mg/kg	41	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	21.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	3.2	mg/kg	175		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00507	mg/kg	0.169		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	5.79		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	4.53		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.04	mg/kg	3.94		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	1.71		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	0.39		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.03	mg/kg	0.28		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.2	mg/kg	139	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.19	mg/kg	46.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.38	mg/kg	33.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	123		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.06	mg/kg	28.4		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.14	mg/kg	20.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	16.7	mg/kg	450		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	1	mg/kg	171		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	3.1	mg/kg	96.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	SW7471B	0.00539	mg/kg	0.229		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	SW7471B	0.00514	mg/kg	0.0793	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	SW7471B	0.00412	mg/kg	0.223	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	4.35		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.2	mg/kg	26.9	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	40.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	3.3	mg/kg	78.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00563	mg/kg	0.0227	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.4		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.14		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.18	mg/kg	29.2	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	20.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	3	mg/kg	86.3		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00472	mg/kg	0.0781		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.555		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	3.81		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.04	mg/kg	3.09		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.325		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.03	mg/kg	0.34		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.18	mg/kg	41.3	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.18	mg/kg	40.7		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.18	mg/kg	27.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	21.65		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.14	mg/kg	23.3		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.05	mg/kg	13.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	3	mg/kg	137		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	3.1	mg/kg	113		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	3.1	mg/kg	82.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	SW7471B	0.00511	mg/kg	0.187		0.085	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	MERCURY	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	SW7471B	0.00564	mg/kg	0.248	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	SW7471B	0.00457	mg/kg	0.141	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	2.88		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.2	mg/kg	23.6	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	38.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	3.4	mg/kg	152		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00597	mg/kg	0.0588		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	28.5		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	16.4	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.27		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.03	mg/kg	0.17		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.17	mg/kg	50	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.17	mg/kg	33.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	28.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.05	mg/kg	16.9		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.9	mg/kg	184		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	2.9	mg/kg	95.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00407	mg/kg	0.0626		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	SW7471B	0.0045	mg/kg	0.0551	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.18		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.26		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.17	mg/kg	36.7	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	23.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	2.8	mg/kg	119		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	SW7471B	0.00474	mg/kg	0.0566		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	1.9		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	0.06	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.21	mg/kg	20.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	15.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	3.5	mg/kg	69.7		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00617	mg/kg	0.0354		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.67		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	2.91	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.28		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.17	mg/kg	45.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.17	mg/kg	32.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	28.2		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	0.05	mg/kg	14.4		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	2.9	mg/kg	128		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	SW6020B	2.9	mg/kg	83.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00517	mg/kg	0.067		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	SW7471B	0.00508	mg/kg	0.0521	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.86		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	3.69	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.37		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.03	mg/kg	0.44		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.18	mg/kg	52.3	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.18	mg/kg	59.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	32.4		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.05	mg/kg	31		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	3	mg/kg	139		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	3	mg/kg	167		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	SW7471B	0.00503	mg/kg	0.08		0.085	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	MERCURY	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	SW7471B	0.00478	mg/kg	0.0854	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	4.52		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.04	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.2	mg/kg	14.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	6.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	3.3	mg/kg	41.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00566	mg/kg	0.0278		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	1.77		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.17		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.17	mg/kg	41.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	26.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	2.9	mg/kg	106		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00508	mg/kg	0.0414		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.59		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.04	mg/kg	3.74	J	3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.04	mg/kg	3.75	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.17	mg/kg	43.7		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.18	mg/kg	36.9		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.18	mg/kg	43.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	23		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	0.26	mg/kg	18.6		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	0.27	mg/kg	24.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	2.8	mg/kg	106		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	SW6020B	3	mg/kg	82.3		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	SW6020B	3	mg/kg	86.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	SW7471B	0.00475	mg/kg	0.322		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	SW7471B	0.00531	mg/kg	0.0938	J	0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	SW7471B	0.00465	mg/kg	0.0318	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	3.44		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.19	mg/kg	13.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	0.06	mg/kg	4.51		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	SW6020B	3.2	mg/kg	50.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00495	mg/kg	0.0189	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	1.53		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.17	mg/kg	37.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	13.4		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	SW6020B	2.9	mg/kg	91.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	SW7471B	0.00481	mg/kg	0.0236		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.04	mg/kg	2.99		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.03	mg/kg	0.18		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.17	mg/kg	28.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	0.05	mg/kg	15		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	SW6020B	2.8	mg/kg	95.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	SW7471B	0.00477	mg/kg	0.0549		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	7.84		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.2	mg/kg	13.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.06	mg/kg	3.98		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	3.4	mg/kg	50.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	SW7471B	0.00619	mg/kg	0.0229	J	0.085	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ARSENIC	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	2.25		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.1		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.17	mg/kg	23.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	19.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	2.9	mg/kg	71.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	SW7471B	0.00522	mg/kg	0.0342		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	1.82		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.14		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.18	mg/kg	25.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	11.4		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	3	mg/kg	85		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	SW7471B	0.00487	mg/kg	0.0286		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	10.2		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.03	U	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.19	mg/kg	18.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.06	mg/kg	10.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	3.2	mg/kg	59		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	SW7471B	0.00516	mg/kg	0.025		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	1.93		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.17	mg/kg	18.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	3.95		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	2.9	mg/kg	51.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	SW7471B	0.00379	mg/kg	0.0292		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	3.06		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.04	mg/kg	1.96	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.03	mg/kg	0.1		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.17	mg/kg	48		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.17	mg/kg	22.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	28.6		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.05	mg/kg	6.03		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	2.9	mg/kg	131		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	2.8	mg/kg	58.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	SW7471B	0.00535	mg/kg	0.0507		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	SW7471B	0.00454	mg/kg	0.0237	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	5.84		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	SW6020B	0.06	mg/kg	3.63	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	SW6020B	0.05	mg/kg	0.11	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.25	mg/kg	27.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	SW6020B	0.27	mg/kg	32.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.07	mg/kg	15.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	SW6020B	0.08	mg/kg	4.98		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	4.1	mg/kg	85.2		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	SW6020B	4.5	mg/kg	62.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	SW7471B	0.00659	mg/kg	0.154		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	SW7471B	0.0059	mg/kg	0.0526	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	2.22		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.03	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.17	mg/kg	17.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	6.81		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	2.9	mg/kg	56.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	SW7471B	0.00494	mg/kg	0.0285		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	2.755	J	3	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ARSENIC	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.04	mg/kg	2.97	J	3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	SW6020B	0.04	mg/kg	2.77	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.13		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.17	mg/kg	25		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.18	mg/kg	22		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	SW6020B	0.18	mg/kg	20.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	10.65		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.27	mg/kg	8.41		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	SW6020B	0.05	mg/kg	6.39		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	2.8	mg/kg	70.3	J	459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	3	mg/kg	58.4		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	SW6020B	3	mg/kg	54.4		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	SW7471B	0.00391	mg/kg	0.07555	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	SW7471B	0.00439	mg/kg	0.0742	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	SW7471B	0.00456	mg/kg	0.2	J	0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	2.07		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.2	mg/kg	31		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.06	mg/kg	4.92		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	3.4	mg/kg	123		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	SW7471B	0.0054	mg/kg	0.0167	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	2.61		3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	SW6020B	0.04	mg/kg	2.53	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.18	mg/kg	36.1		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	SW6020B	0.17	mg/kg	17.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.06	mg/kg	8.09		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	SW6020B	0.05	mg/kg	5.85		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	3.1	mg/kg	73.9		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	SW6020B	2.9	mg/kg	48.4	J	459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	SW7471B	0.00532	mg/kg	0.0526		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	SW7471B	0.00522	mg/kg	0.0144	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	5.76		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.42		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.18	mg/kg	34.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	20.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	3.1	mg/kg	182		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	SW7471B	0.00536	mg/kg	0.0652		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	4.45		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.2	mg/kg	27.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	0.06	mg/kg	5.95		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	SW6020B	3.4	mg/kg	84.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	SW7471B	0.0054	mg/kg	0.0112	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	2.45		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.17	mg/kg	34.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	11.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	SW6020B	2.9	mg/kg	93.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	SW7471B	0.00517	mg/kg	0.0137	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.04	mg/kg	6.79		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.04	mg/kg	4.78	J	3	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	CADMIUM	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.03	mg/kg	0.48		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.03	mg/kg	0.11		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.18	mg/kg	27.9		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.18	mg/kg	21.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	0.05	mg/kg	13.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	0.27	mg/kg	18.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	SW6020B	3	mg/kg	99.8		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	SW6020B	3.1	mg/kg	84.6		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	SW7471B	0.00486	mg/kg	0.0333		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	SW7471B	0.00482	mg/kg	0.0311	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	1.79		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.19	mg/kg	40.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.06	mg/kg	7.02		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	3.2	mg/kg	121		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	SW7471B	0.00444	mg/kg	0.00752	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	4.44		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.18	mg/kg	23		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.05	mg/kg	17.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	3	mg/kg	80.2		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	SW7471B	0.00521	mg/kg	0.0174	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	2.48		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.19	mg/kg	41.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.06	mg/kg	10.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	3.2	mg/kg	122		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	SW7471B	0.00545	mg/kg	0.0224	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	4.53		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	0.04	mg/kg	4.78		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.23		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	0.03	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.19	mg/kg	31.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	0.19	mg/kg	18.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.06	mg/kg	18.3		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	0.06	mg/kg	9.74		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	3.1	mg/kg	107		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	3.1	mg/kg	74.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	SW7471B	0.00463	mg/kg	0.0273		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	SW7471B	0.00439	mg/kg	0.027	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	3.07		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.25		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.19	mg/kg	37.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.06	mg/kg	24		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	3.1	mg/kg	118		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	SW7471B	0.00554	mg/kg	0.0208	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	3.95		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.26		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.18	mg/kg	51.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.05	mg/kg	24.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	3.1	mg/kg	115		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	SW7471B	0.0056	mg/kg	0.0396		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	2.84		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.18	mg/kg	25.8		359	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	LEAD	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.05	mg/kg	10.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	3	mg/kg	109		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	SW7471B	0.00469	mg/kg	0.0214	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	3.22		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.18	mg/kg	55.9		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	0.05	mg/kg	35.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	SW6020B	3	mg/kg	96		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	SW7471B	0.00553	mg/kg	0.12		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	5.68		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	3.58		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.19	mg/kg	150		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.06	mg/kg	125		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	15.9	mg/kg	420		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	SW7471B	0.00522	mg/kg	0.121		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	SW6020B	0.06	mg/kg	1.98		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	SW6020B	0.05	mg/kg	0.26		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	SW6020B	0.26	mg/kg	34.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	SW6020B	0.08	mg/kg	9.46		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	SW6020B	4.4	mg/kg	147		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	SW7471B	0.00712	mg/kg	0.0755		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	2.86		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.18	mg/kg	25.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.05	mg/kg	9.57		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	3	mg/kg	73.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	SW7471B	0.00473	mg/kg	0.0171	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	2.45		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.08	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.17	mg/kg	26.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.05	mg/kg	4.85		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	2.9	mg/kg	52.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	SW7471B	0.00395	mg/kg	0.00395	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	5.59		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	SW6020B	0.05	mg/kg	5.2		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	SW6020B	0.05	mg/kg	4.66		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	0.095	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	SW6020B	0.04	mg/kg	0.04	U	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	SW6020B	0.04	mg/kg	0.06	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	SW6020B	0.21	mg/kg	22		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	SW6020B	0.22	mg/kg	17		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	SW6020B	0.22	mg/kg	15		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	SW6020B	0.06	mg/kg	13.8		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	SW6020B	0.07	mg/kg	6.98		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	SW6020B	0.06	mg/kg	5.64		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	SW6020B	3.5	mg/kg	74.2		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	SW6020B	3.7	mg/kg	62.6		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	SW6020B	3.6	mg/kg	54.1		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	SW7471B	0.00601	mg/kg	0.1205		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	SW7471B	0.00484	mg/kg	0.0443	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	SW7471B	0.00626	mg/kg	0.0275	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	3.05		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.12		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.18	mg/kg	42		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.05	mg/kg	18.3		196	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ZINC	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	3	mg/kg	107		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	SW7471B	0.00492	mg/kg	0.00492	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.04	mg/kg	3.59		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	0.04	mg/kg	3.45		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	SW6020B	0.04	mg/kg	3.12		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.03	mg/kg	0.3		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	SW6020B	0.03	mg/kg	0.05	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.18	mg/kg	33.4		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	0.19	mg/kg	28.3		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	SW6020B	0.17	mg/kg	19.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	0.06	mg/kg	15.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	0.06	mg/kg	12.6		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	SW6020B	0.05	mg/kg	7.91		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	SW6020B	7.7	mg/kg	157		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	SW6020B	3.1	mg/kg	114		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	SW6020B	2.9	mg/kg	61.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	SW7471B	0.00504	mg/kg	0.00504	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	SW7471B	0.00514	mg/kg	0.0425	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	SW7471B	0.00441	mg/kg	0.035	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	5.45		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.04	mg/kg	10.6		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.27		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.03	mg/kg	0.2		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.35	mg/kg	33.1		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.17	mg/kg	29.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.05	mg/kg	12.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.05	mg/kg	9.42		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	2.9	mg/kg	108		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	2.9	mg/kg	95		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	SW7471B	0.00522	mg/kg	0.00522	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	SW7471B	0.00427	mg/kg	0.0343	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	2.64		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.28		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.19	mg/kg	68.2		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.06	mg/kg	30.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	3.2	mg/kg	156		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW7471B	0.00527	mg/kg	0.101		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	3.28		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.04	mg/kg	3.89		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	SW6020B	0.04	mg/kg	3.69		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.37		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.03	mg/kg	0.29		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	SW6020B	0.03	mg/kg	0.21		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.18	mg/kg	36.7		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.18	mg/kg	37.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	SW6020B	0.35	mg/kg	30.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.05	mg/kg	28.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.05	mg/kg	22.9		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	SW6020B	0.05	mg/kg	18.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	3	mg/kg	139		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	3.1	mg/kg	133		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	SW6020B	2.9	mg/kg	104		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	SW7471B	0.00506	mg/kg	0.00506	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	SW7471B	0.00451	mg/kg	0.0467	J	0.085	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	MERCURY	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	SW7471B	0.00403	mg/kg	0.0369	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	3.25		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.3		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.2	mg/kg	65		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	0.06	mg/kg	28.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	SW6020B	3.4	mg/kg	153		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	SW7471B	0.00583	mg/kg	0.0763		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	4.95		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.04	mg/kg	4.25		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.52		0.51	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.03	mg/kg	0.3		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.38	mg/kg	56		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.19	mg/kg	55.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.06	mg/kg	75.6		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.06	mg/kg	64.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	3.2	mg/kg	138		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	3.1	mg/kg	134		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	SW7471B	0.00566	mg/kg	0.00566	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	SW7471B	0.00449	mg/kg	0.0389	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	3.65		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.04	mg/kg	3.43		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.21		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.03	mg/kg	0.17		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.19	mg/kg	51.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.34	mg/kg	40.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.06	mg/kg	23.5		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.05	mg/kg	14.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	3.1	mg/kg	157		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.9	mg/kg	140		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	SW7471B	0.00531	mg/kg	0.00531	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	SW7471B	0.00433	mg/kg	0.0372	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	0.04	mg/kg	6.15		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	0.41	mg/kg	71.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	0.06	mg/kg	58.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	3.4	mg/kg	86.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	SW7471B	0.00592	mg/kg	0.577		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.04	mg/kg	2.14		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.18	mg/kg	81.7		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.06	mg/kg	26.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	3.1	mg/kg	145		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	SW7471B	0.0057	mg/kg	0.0726		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	4.72		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.29		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.37	mg/kg	57.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.05	mg/kg	30.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	3	mg/kg	137		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	SW7471B	0.00529	mg/kg	0.105		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.04	mg/kg	2.59		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.03	mg/kg	0.15		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.18	mg/kg	38.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.05	mg/kg	22.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	3.1	mg/kg	91.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	SW7471B	0.00404	mg/kg	0.0796		0.085	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	ARSENIC	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	2.5		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.5		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.2	mg/kg	57.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.06	mg/kg	25.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	3.4	mg/kg	172		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	SW7471B	0.00569	mg/kg	0.0756		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.04	mg/kg	2.22		3	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	0.04	mg/kg	3.31		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.03	mg/kg	0.23		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	0.03	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.37	mg/kg	111		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	0.19	mg/kg	63.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.06	mg/kg	45.3		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	0.28	mg/kg	29.8		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	3.1	mg/kg	124		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	3.1	mg/kg	83.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	SW7471B	0.00555	mg/kg	0.0863		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	SW7471B	0.0048	mg/kg	0.0322	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.04	mg/kg	3.42		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.04	mg/kg	4.26		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.03	mg/kg	0.22		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.17	mg/kg	36.2		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.2	mg/kg	33.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	0.05	mg/kg	18.1		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	0.06	mg/kg	15.4		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	SW6020B	2.9	mg/kg	108		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	SW6020B	3.3	mg/kg	112		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	SW7471B	0.00398	mg/kg	0.396		0.085	NA	NA	COC Exceeds CUL
Metals	MERCURY	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	SW7471B	0.00447	mg/kg	0.0556	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	0.05	mg/kg	11.9		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	0.04	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	0.23	mg/kg	18.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	0.07	mg/kg	6.01		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	SW6020B	3.9	mg/kg	56.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	SW7471B	0.0049	mg/kg	0.00863	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.04	mg/kg	4.25		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	0.04	mg/kg	3.2		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.03	mg/kg	0.19		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	0.03	mg/kg	0.11		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.19	mg/kg	74.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	0.35	mg/kg	40.8		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	0.06	mg/kg	30		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	0.05	mg/kg	16.7		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	SW6020B	3.2	mg/kg	147		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	SW6020B	2.9	mg/kg	96.4		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	SW7471B	0.00482	mg/kg	0.0437		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	SW7471B	0.00437	mg/kg	0.0418	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	SW6020B	0.04	mg/kg	4.35		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	SW6020B	0.18	mg/kg	44		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	SW6020B	0.05	mg/kg	16.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	SW6020B	3	mg/kg	120		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	SW7471B	0.00475	mg/kg	0.00475	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	4.25		3	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	CADMIUM	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	0.09	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.21	mg/kg	20.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.06	mg/kg	11.2		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	3.5	mg/kg	81.55		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00526	mg/kg	0.0388		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	5.52		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	0.54		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.22	mg/kg	104		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.07	mg/kg	46.3		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	1.2	mg/kg	228		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00661	mg/kg	0.066		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	3.18		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.03	mg/kg	0.475		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.19	mg/kg	60.35	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.06	mg/kg	92.75	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	3.2	mg/kg	163.5		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	SW7471B	0.00491	mg/kg	0.03155		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	5.825		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	10/26/2022	SW6020B	0.05	mg/kg	6.17	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	10/26/2022	SW6020B	0.04	mg/kg	0.06	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.22	mg/kg	33.6		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	10/26/2022	SW6020B	0.23	mg/kg	49.4		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.07	mg/kg	15.55		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	10/26/2022	SW6020B	0.07	mg/kg	14.9	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	3.7	mg/kg	101.5		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	10/26/2022	SW6020B	3.9	mg/kg	94.3		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00609	mg/kg	0.02285	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	10/26/2022	SW7471B	0.00581	mg/kg	0.0273	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	2.38		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.03	mg/kg	0.25		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.19	mg/kg	64.1		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.06	mg/kg	14.5		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	3.2	mg/kg	121		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00541	mg/kg	0.0409		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	3.2		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.04	mg/kg	2.68	J	3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.03	mg/kg	0.16		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.03	mg/kg	0.1	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.18	mg/kg	25.5		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.18	mg/kg	23.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	10.1		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.05	mg/kg	7.61	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	3	mg/kg	73		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	3	mg/kg	61.8		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	SW7471B	0.00397	mg/kg	0.0161	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	10/26/2022	SW7471B	0.00509	mg/kg	0.0188	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	36.6		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.17	mg/kg	76.5		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	26.1		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	2.9	mg/kg	132		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00507	mg/kg	0.105		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	29.5		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.04	mg/kg	23.8	J	3	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Metals	CADMIUM	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.03	mg/kg	0.485		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.03	mg/kg	0.47		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.18	mg/kg	87.25		359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.17	mg/kg	79.6		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	24.7		196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.05	mg/kg	21.8	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	3	mg/kg	128		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	2.9	mg/kg	113		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	SW7471B	0.00456	mg/kg	0.02875		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	SW7471B	0.00488	mg/kg	0.0531	J	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	7.72		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	0.18		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.21	mg/kg	50.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.06	mg/kg	15.6		196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	3.5	mg/kg	96.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00611	mg/kg	0.143		0.085	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	232		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.03	mg/kg	0.35		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.86	mg/kg	279		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.26	mg/kg	504		196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	2.9	mg/kg	197		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00382	mg/kg	0.0366		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.21	mg/kg	292		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.16	mg/kg	1.91		0.51	NA	NA	COC Exceeds CUL
Metals	COPPER	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.95	mg/kg	363	J	359	NA	NA	COC Exceeds CUL
Metals	LEAD	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.29	mg/kg	250	J	196	NA	NA	COC Exceeds CUL
Metals	ZINC	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	16	mg/kg	304		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	SW7471B	0.00557	mg/kg	0.0637		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	2.03		3	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	0.07	J	0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.21	mg/kg	17.95	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	0.06	mg/kg	12.05	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	SW6020B	3.5	mg/kg	67.95		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00478	mg/kg	0.00478	U	0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	6.58		3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.03	mg/kg	0.24		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.19	mg/kg	47	J	359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	0.06	mg/kg	27.1	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	SW6020B	3.1	mg/kg	113		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	SW7471B	0.00523	mg/kg	0.044		0.085	NA	NA	No Exceedances for Detected COC
Metals	ARSENIC	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.04	mg/kg	5.265		3	NA	NA	COC Exceeds CUL
Metals	ARSENIC	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.04	mg/kg	4.55	J	3	NA	NA	COC Exceeds CUL
Metals	CADMIUM	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.03	mg/kg	0.27		0.51	NA	NA	No Exceedances for Detected COC
Metals	CADMIUM	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.03	mg/kg	0.18		0.51	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.18	mg/kg	43.8	J	359	NA	NA	No Exceedances for Detected COC
Metals	COPPER	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.18	mg/kg	32.3		359	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	0.05	mg/kg	23	J	196	NA	NA	No Exceedances for Detected COC
Metals	LEAD	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	0.05	mg/kg	12.7	J	196	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	SW6020B	3	mg/kg	102		459	NA	NA	No Exceedances for Detected COC
Metals	ZINC	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	SW6020B	3	mg/kg	81.9		459	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	SW7471B	0.00409	mg/kg	0.02725		0.085	NA	NA	No Exceedances for Detected COC
Metals	MERCURY	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	SW7471B	0.00474	mg/kg	0.0271	J	0.085	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.3	µg/kg	0.3	UJ	114	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDE (Calculated U = 1/2)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.37	µg/kg	0.37	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.1	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.7	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.28	µg/kg	0.28	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.35	µg/kg	0.35	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.4	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.32	µg/kg	0.32	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.25	µg/kg	0.25	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.68	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	3.3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	4.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.48	µg/kg	0.48	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.48	µg/kg	0.48	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.3	µg/kg	0.3	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.12	µg/kg	0.12	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.24	µg/kg	0.24	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.3	µg/kg	0.3	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.8	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.2	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.3	µg/kg	0.3	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.12	µg/kg	0.12	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.44	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.3	µg/kg	0.3	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.32	µg/kg	0.32	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.6	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.3	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.29	µg/kg	0.29	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.36	µg/kg	0.36	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.97	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.5	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_SUM	0.49	µg/kg	0.49	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_SUM	0.49	µg/kg	0.49	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.3	µg/kg	0.3	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.38	µg/kg	0.38	UJ	50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.6	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.2	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.59	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	6.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	8	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.36	µg/kg	0.36	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.53	µg/kg	0.53	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.53	µg/kg	0.53	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.3	µg/kg	0.3	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.37	µg/kg	0.37	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.2	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.8	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.1	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	10.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	13.1	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.34	µg/kg	0.34	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.42	µg/kg	0.42	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.2	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.8	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.33	µg/kg	0.33	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.7	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.4	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.88	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.6	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.46	µg/kg	0.46	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.4	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.5	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	10.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	13.6	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.43	µg/kg	0.43	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.43	µg/kg	0.43	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.63	J	246	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDx (Calculated U = 1/2)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.46	µg/kg	0.46	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.37	µg/kg	0.37	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.46	µg/kg	0.46	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.76	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.5	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	8.8	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	6.2	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	55.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	70.1	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.92	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.6	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	15.9	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	9.8	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	106	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	132	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	16.8	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	7.9	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	78.3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	103	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.43	µg/kg	0.43	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.34	µg/kg	0.34	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.43	µg/kg	0.43	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.9	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	7.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	2.1	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	21.3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	30.7	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	17.2	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	15.9	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	256	J	246	NA	NA	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	289	J	6.1	160	7,050	COC Exceeds RAL/PQL
O/P	ALDRIN	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	7.6	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	21.7	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	6.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	36.2	J	6.1	160	7,050	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	ALDRIN	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.63	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	0.74	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.7	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.1	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.48	µg/kg	0.48	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.9	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2.1		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	0.64		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	4.8		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2.8	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	3.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.4		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	12.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	15.1	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2.4		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	0.65	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	14	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	17	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	4.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.2		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	34.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	39.6	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	0.44	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	0.99	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.42	µg/kg	0.42	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.42	µg/kg	0.42	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	GAMMA BHC (LINDANE)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	3.6	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.2	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	30.5	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	35.3	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	3.7	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.1	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	28.3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	33	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.48	µg/kg	0.48	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.19	µg/kg	0.19	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	27.8	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2.3	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	9.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	39.5	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.74	µg/kg	0.74	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.29	µg/kg	0.29	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.59	µg/kg	0.59	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.74	µg/kg	0.74	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.88	µg/kg	0.88	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.88	µg/kg	0.88	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	7.1	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.5	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	40.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	49.3	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	30.4	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	4.6	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	198	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	233	J	6.1	160	7,050	COC Exceeds RAL/PQL
O/P	ALDRIN	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	24.1	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	3.7	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	87	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	115	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.1	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	5.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	7.2	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.43	µg/kg	0.43	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.9	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	3.2	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	12.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	17.5	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDD (Calculated U = 1/2)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	3.5	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.8	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	30.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	35.7	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.46	µg/kg	0.46	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	22.9	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	7.1	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	31	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	61	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.47	µg/kg	0.47	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.19	µg/kg	0.19	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.38	µg/kg	0.38	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.47	µg/kg	0.47	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.56	µg/kg	0.56	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.56	µg/kg	0.56	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.46	µg/kg	0.46	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	6.2	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.2	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.55	µg/kg	0.55	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	7.8	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.46	µg/kg	0.46	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.37	µg/kg	0.37	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.46	µg/kg	0.46	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.54	µg/kg	0.54	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.54	µg/kg	0.54	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.43	µg/kg	0.43	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	5.5	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.1	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2.8	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	9.3	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.52	µg/kg	0.52	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.52	µg/kg	0.52	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.52	µg/kg	0.52	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.52	µg/kg	0.52	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	0.54	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.43	µg/kg	0.43	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.46	J	114	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDE (Calculated U = 1/2)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.45	µg/kg	0.45	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.57	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.43	µg/kg	0.43	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.43	µg/kg	0.43	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	4.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.77	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.49	µg/kg	0.49	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.19	µg/kg	0.19	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2.9	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.49	µg/kg	0.49	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	4.5	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.36	µg/kg	0.36	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.45	µg/kg	0.45	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.54	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.74	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.2	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	7.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	9	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.47	µg/kg	0.47	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.47	µg/kg	0.47	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	7.7	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2.4	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	28.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	38.3	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2.7	J	50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	13.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	19.1	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	5	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	5.9	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	41.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	52.6	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.33	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.96	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.6	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.1	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.52	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	6.3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	7.9	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.32	µg/kg	0.32	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2.7	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.1	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	71.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	75.7	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.37	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.5	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.3	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	14.5	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	17.2	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.43	µg/kg	0.43	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.6	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	12.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	14.8	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.8	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	0.67	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	11.7	J	246	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDx (Calculated U = 1/2)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	12.7	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.29	µg/kg	0.29	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.12	µg/kg	0.12	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.26	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.29	µg/kg	0.29	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1.8	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	2.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.89	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1.1	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	11	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	13	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.32	µg/kg	0.32	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.39	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.32	µg/kg	0.32	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	3.6	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	4.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.74	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1.4	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	22.3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	24.4	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.59	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.81	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	7.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	9.1	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.3	µg/kg	0.3	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.12	µg/kg	0.12	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.3	µg/kg	0.3	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	2.5	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.32	µg/kg	0.32	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.83	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.8	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	10.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	11.7	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.65	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.87	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	6.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	7.7	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1.6	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.81	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	7.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	9.6	J	6.1	160	7,050	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	ALDRIN	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.53	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.66	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	5.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	6.3	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1.5	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	0.81	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	5.3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	7.6	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.69	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.52	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.79		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.7		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.39	µg/kg	0.39	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.39	µg/kg	0.39	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.55	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	2.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.61	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	2.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.88		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.4		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.4	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	2.8	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	17.8		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	22	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	GAMMA BHC (LINDANE)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.88	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.8	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.74		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.94		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	3.7		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	5.4		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.85		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	4.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_SUM		µg/kg	1.6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	5.2		6.1	160	7,050	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_SUM		µg/kg	2.2		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	6.1	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.2	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.54	µg/kg	0.54	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	7.7	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.4		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	8.4		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.43	µg/kg	0.43	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	13.5		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.9		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.51	µg/kg	0.51	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	15.8		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.7		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	2.7		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.9		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	6.3		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	2.6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	3.3		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDD (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.5		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	2.2		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	4.3		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.87		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.49	µg/kg	0.49	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	5.5		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	0.51	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.48	µg/kg	0.48	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.48	µg/kg	0.48	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.52	µg/kg	0.52	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.21	µg/kg	0.21	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.1		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.3		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	7		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	9.4		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.33	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.47	µg/kg	0.47	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.19	µg/kg	0.19	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.7	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.47	µg/kg	0.47	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.68	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.62		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	3.6	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	5.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.69		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.87		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	5.6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	7.2		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.31	J	114	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDE (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.43	µg/kg	0.43	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.97	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.39	µg/kg	0.39	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.39	µg/kg	0.39	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.4	µg/kg	0.4	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.4	µg/kg	0.4	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.44	µg/kg	0.44	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.44	µg/kg	0.44	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.34	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	2.1	J	6.1	160	7,050	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	2.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.37	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.71		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.47	µg/kg	0.47	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.19	µg/kg	0.19	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.38	µg/kg	0.38	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.47	µg/kg	0.47	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.56	µg/kg	0.56	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.56	µg/kg	0.56	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.46	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	0.44	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.9	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.4	µg/kg	0.4	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.4	µg/kg	0.4	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	0.58	UJ	50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.39	µg/kg	0.39	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	1.1	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.3	µg/kg	0.3	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.12	µg/kg	0.12	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.24	µg/kg	0.24	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.3	µg/kg	0.3	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	0.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	0.86	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.33	µg/kg	0.33	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.39	µg/kg	0.39	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.39	µg/kg	0.39	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.34	µg/kg	0.34	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.42	µg/kg	0.42	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.5	µg/kg	0.5	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.5	µg/kg	0.5	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.32	µg/kg	0.32	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.25	µg/kg	0.25	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.32	µg/kg	0.32	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.38	µg/kg	0.38	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.38	µg/kg	0.38	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.47	µg/kg	0.47	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.47	µg/kg	0.47	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.44	µg/kg	0.44	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.44	µg/kg	0.44	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.27	µg/kg	0.27	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.34	µg/kg	0.34	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	1.4	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	1.9	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	2.6		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.45	µg/kg	0.45	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.53	µg/kg	0.53	U	246	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDx (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	3.4		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.43	µg/kg	0.43	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.43	µg/kg	0.43	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.6	µg/kg	0.6	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.24	µg/kg	0.24	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.6	µg/kg	0.6	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.71	µg/kg	0.71	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	2.1		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1.7		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	6.1		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	0.75		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	8.1		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.52	µg/kg	0.52	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.21	µg/kg	0.21	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.41	µg/kg	0.41	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.52	µg/kg	0.52	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.61	µg/kg	0.61	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.61	µg/kg	0.61	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	0.84		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1.7		6.1	160	7,050	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	1.5		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	E1699M	0.4	µg/kg	0.92		2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1.8		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	0.52	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	6.5		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	2.2		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	CALC_SUM		µg/kg	0.91		50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	75.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	13.6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	CALC_SUM		µg/kg	3.5		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	83.5		6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	16.3	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	CALC_SUM		µg/kg	4.6		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.48	µg/kg	0.48	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.19	µg/kg	0.19	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	0.91		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	0.89		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.57	µg/kg	0.57	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	2.2		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	2.7		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	3.3		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	2.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	2.7		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.49	µg/kg	0.49	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.49	µg/kg	0.49	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.48	µg/kg	0.48	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.48	µg/kg	0.48	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	0.37	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	0.92		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	0.78		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	10.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	4.9		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	11.3		6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	6.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1.4		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.48	µg/kg	0.48	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	2.1		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	GAMMA BHC (LINDANE)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	1.7		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	0.97		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	1.1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	7.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	2.7		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	8.5		6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	4		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.51	µg/kg	0.51	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.2	µg/kg	0.2	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.9		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.51	µg/kg	0.51	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.61	µg/kg	0.61	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	2.9	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.36	µg/kg	2.1		2	NA	NA	COC Exceeds CUL
O/P	GAMMA BHC (LINDANE)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.15	µg/kg	0.85		5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	5.7		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	4.3		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	7.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	17.9	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	0.79		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	0.4	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	6.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	7.9	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	7.4	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.55	µg/kg	0.55	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.22	µg/kg	0.22	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	0.52	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.55	µg/kg	0.55	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.65	µg/kg	0.65	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.5	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	3.2	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	0.41	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	13.2		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	1.7		50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	30.6	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	3.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	47	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	5.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	2.3		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	3.1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	23.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	29.3	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.36	µg/kg	0.36	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.45	µg/kg	0.45	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.53	µg/kg	0.53	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.53	µg/kg	0.53	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	0.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	0.98	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.6	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.43	µg/kg	2.9		2	NA	NA	COC Exceeds CUL
O/P	GAMMA BHC (LINDANE)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	7.3		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	11.2		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	222		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	241		6.1	160	7,050	COC Exceeds RAL/PQL
O/P	ALDRIN	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.48	µg/kg	0.48	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.19	µg/kg	0.19	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	0.89		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.48	µg/kg	0.48	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.57	µg/kg	0.57	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.8	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	0.35	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	0.87	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.6	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.7	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	E1699M	0.17	µg/kg	0.17	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.36	µg/kg	0.36	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	0.65	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM	0.42	µg/kg	0.42	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.53	µg/kg	0.53	UJ	246	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM	0.49	µg/kg	0.49	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.53	µg/kg	0.53	UJ	6.1	160	7,050	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	1.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.9		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.6		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	14.3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	17.8	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.15	µg/kg	0.19	J	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.7		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.8		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	15.8	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	19.2	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.47	µg/kg	0.47	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.19	µg/kg	0.19	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.38	µg/kg	0.38	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.47	µg/kg	0.47	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.56	µg/kg	0.56	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.56	µg/kg	0.56	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.38	µg/kg	0.38	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.3	µg/kg	0.3	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.38	µg/kg	0.38	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.43	µg/kg	0.43	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.34	µg/kg	0.34	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.43	µg/kg	0.43	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	2.6	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	3.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.5	µg/kg	0.5	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.2	µg/kg	0.2	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.4	µg/kg	0.4	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.5	µg/kg	0.5	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.59	µg/kg	0.59	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.59	µg/kg	0.59	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.3	µg/kg	0.3	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.12	µg/kg	0.12	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.24	µg/kg	0.24	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.3	µg/kg	0.3	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.36	µg/kg	0.36	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.36	µg/kg	0.36	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.35	µg/kg	0.35	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.28	µg/kg	0.28	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	0.62	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	3	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	3.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.5	µg/kg	0.5	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.2	µg/kg	0.2	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.4	µg/kg	0.4	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.5	µg/kg	0.5	UJ	50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.59	µg/kg	0.59	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.59	µg/kg	0.59	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.43	µg/kg	0.43	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	1.2	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.43	µg/kg	0.43	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	2.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	4.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.38	µg/kg	0.38	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	1.2	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	0.7	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	3.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	5.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.54	µg/kg	0.54	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.22	µg/kg	0.22	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.43	µg/kg	0.43	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.54	µg/kg	0.54	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.64	µg/kg	0.64	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.64	µg/kg	0.64	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.42	µg/kg	0.42	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.33	µg/kg	0.33	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.42	µg/kg	0.42	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.5	µg/kg	0.5	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.5	µg/kg	0.5	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.37	µg/kg	0.37	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.3	µg/kg	0.3	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	0.71	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	1.8	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	2.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.56	µg/kg	0.56	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.22	µg/kg	0.22	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.56	µg/kg	0.56	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.66	µg/kg	0.66	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.66	µg/kg	0.66	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.31	µg/kg	0.31	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.42	µg/kg	0.42	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.34	µg/kg	0.34	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	0.48	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	CALC_SUM		µg/kg	0.31	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	2.2	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	2.2		50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDE (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	CALC_SUM		µg/kg	1.7		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	7.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	5.9		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	CALC_SUM		µg/kg	3.8		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	10.4	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	8.5	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	CALC_SUM		µg/kg	5.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.36	µg/kg	0.36	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.53	µg/kg	0.53	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.53	µg/kg	0.53	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.43	µg/kg	0.43	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.35	µg/kg	0.35	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.43	µg/kg	0.43	UJ	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.51	µg/kg	0.51	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.51	µg/kg	0.51	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	0.68		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	2.4		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	3.3		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.53	µg/kg	0.53	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.21	µg/kg	0.21	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.92		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.53	µg/kg	0.53	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.63	µg/kg	0.63	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.9		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.5	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.33	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.9	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.56	µg/kg	0.56	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	E1699M	0.74	µg/kg	0.74	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.22	µg/kg	0.22	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	E1699M	0.29	µg/kg	0.29	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.45	µg/kg	0.45	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM	0.59	µg/kg	0.59	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.56	µg/kg	0.56	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM	0.74	µg/kg	0.74	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.67	µg/kg	0.67	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM	0.88	µg/kg	0.88	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.67	µg/kg	0.67	U	6.1	160	7,050	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM	0.88	µg/kg	0.88	U	6.1	160	7,050	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	ALDRIN	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.39	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.4		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	2.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.5	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.5		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	3.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.96	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.47	µg/kg	0.47	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.7	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.4		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	0.88		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	2.2		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	1.1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	16.9		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	9.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	20.5		6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	11.2		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.66	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.51	µg/kg	0.51	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.2	µg/kg	0.2	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.9	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.51	µg/kg	0.51	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.6	µg/kg	0.6	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	2.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.96		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	2.5		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.72		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.76		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	3.8		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	5.3		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.5	µg/kg	0.5	U	2	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	GAMMA BHC (LINDANE)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.2	µg/kg	0.2	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.4	µg/kg	0.4	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.5	µg/kg	0.5	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.6	µg/kg	0.6	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.6	µg/kg	0.6	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.6		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	3		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	8.9		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.2		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	3.4		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	13.5		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.41	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.44	µg/kg	0.44	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.56	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	0.86		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	0.69		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.4		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	1.5		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	5.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	6.9		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	7.9	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	9.1		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.45	µg/kg	0.45	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.54	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.5	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	2.5	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDD (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.44	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.9	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.54	µg/kg	0.54	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.21	µg/kg	0.21	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.43	µg/kg	0.43	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.54	µg/kg	0.54	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.64	µg/kg	0.64	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.64	µg/kg	0.64	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.65	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	2.9		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	5.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	9.3	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.1		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	0.47	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	0.46	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.3		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	1.3		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	0.83		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	9.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	40		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	11.7	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	7.7	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	41.3	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.42	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.44	µg/kg	0.44	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.42	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	2.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.41	µg/kg	0.41	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDE (Calculated U = 1/2)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.41	µg/kg	0.41	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.49	µg/kg	0.49	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.49	µg/kg	0.49	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.83	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.59	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.52	µg/kg	0.52	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.52	µg/kg	0.52	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.66	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.1		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.42	µg/kg	0.42	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.49	µg/kg	0.49	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.9		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	2.2		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.44	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	2.5	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.33	µg/kg	0.33	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.42	µg/kg	0.42	U	50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.49	µg/kg	0.49	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.49	µg/kg	0.49	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.76		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.3		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	0.57	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	2.7		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	3.6	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.43	µg/kg	0.43	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.34	µg/kg	0.34	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.43	µg/kg	0.43	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.51	µg/kg	0.51	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.51	µg/kg	0.51	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	0.56	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	0.54	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	9.9		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	CALC_SUM		µg/kg	0.83		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	CALC_SUM	0.39	µg/kg	0.39	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	11	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	CALC_SUM		µg/kg	1.3		6.1	160	7,050	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	CALC_SUM	0.39	µg/kg	0.39	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1.7		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	2.4		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.46	µg/kg	0.46	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.37	µg/kg	0.37	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.46	µg/kg	0.46	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.54	µg/kg	0.54	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.54	µg/kg	0.54	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.43	µg/kg	0.43	U	246	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDx (Calculated U = 1/2)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.43	µg/kg	0.43	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	0.89		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1.5		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.49	µg/kg	0.49	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.19	µg/kg	0.19	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.39	µg/kg	0.39	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.49	µg/kg	0.49	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.58	µg/kg	0.58	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.58	µg/kg	0.58	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	0.34	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.44	µg/kg	0.44	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.37	µg/kg	0.37	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.37	µg/kg	0.37	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	0.54	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.44	µg/kg	0.44	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.52	µg/kg	0.52	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.52	µg/kg	0.52	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.45	µg/kg	0.45	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.45	µg/kg	0.45	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	0.86		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	2.2		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.36	µg/kg	0.36	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.45	µg/kg	0.45	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	0.62	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	0.81		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1.9		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	9.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	11.9		6.1	160	7,050	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	ALDRIN	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.32	µg/kg	0.32	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.47	µg/kg	0.47	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.47	µg/kg	0.47	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.35	µg/kg	0.35	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.28	µg/kg	0.28	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.42	µg/kg	0.42	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	0.49	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	0.72	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	2.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.39	µg/kg	0.39	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.32	µg/kg	0.32	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.47	µg/kg	0.47	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.47	µg/kg	0.47	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.33	µg/kg	0.33	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.13	µg/kg	0.49	J	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	2.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.5		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	2.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	CALC_SUM	0.41	µg/kg	0.41	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	6.6	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	CALC_SUM	0.41	µg/kg	0.41	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.3	µg/kg	0.3	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.12	µg/kg	0.12	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	0.58	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.3	µg/kg	0.3	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	2.7	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.31	µg/kg	0.31	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.13	µg/kg	0.52	J	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	2.2	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.3		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	2.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	5.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.39	µg/kg	0.39	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	35.9	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	2.1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	10	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	48	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.33	µg/kg	0.33	UJ	2	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	GAMMA BHC (LINDANE)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.26	µg/kg	0.26	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.5	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	10.2	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	11.9	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.35	µg/kg	0.35	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	0.33	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	2.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	E1699M	0.46	µg/kg	0.46	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.36	µg/kg	0.36	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.46	µg/kg	0.46	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.54	µg/kg	0.54	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.54	µg/kg	0.54	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.31	µg/kg	0.31	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.12	µg/kg	0.12	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.25	µg/kg	0.25	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.31	µg/kg	0.31	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.37	µg/kg	0.37	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.37	µg/kg	0.37	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.35	µg/kg	0.35	UJ	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.28	µg/kg	0.28	UJ	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	3.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.45	µg/kg	0.45	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	0.4	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	0.93	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.39	µg/kg	0.39	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.39	µg/kg	0.39	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	0.68	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	0.58	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDD (Calculated U = 1/2)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	0.3	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.8	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.14	µg/kg	0.14	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.7		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.34	µg/kg	0.34	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.42	µg/kg	0.42	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.9		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.15	µg/kg	0.15	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.31	µg/kg	0.31	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	2.8		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	3.4		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	0.63		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	2.8		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	6.6		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	5.5		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	39.8		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	51.9		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	19.5		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	2.2		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	55		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	76.7		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.31	µg/kg	0.31	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	0.6		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	6.3		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	12.9		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	19.8		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.3	µg/kg	0.3	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.12	µg/kg	0.12	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM	0.24	µg/kg	0.24	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM	0.3	µg/kg	0.3	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1.5		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.45	µg/kg	0.45	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.18	µg/kg	0.18	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.36	µg/kg	0.36	U	114	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDE (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	0.68	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	2.3		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	3.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.31	µg/kg	0.31	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	0.44	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	0.91		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	3		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	4.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.32	µg/kg	0.32	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	0.39	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	0.39	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	5.1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	8.1		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	8		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	10.6		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	13.4	J	6.1	160	7,050	COC Exceeds CUL
Calculated	Total DDx (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	19	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	E1699M	0.31	µg/kg	0.31	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	E1699M	0.13	µg/kg	0.13	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM	0.25	µg/kg	0.25	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM	0.31	µg/kg	0.31	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM	0.37	µg/kg	0.37	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM	0.37	µg/kg	0.37	U	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.42	µg/kg	0.42	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.17	µg/kg	0.17	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	0.49	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	0.73		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	3.4		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	4.6	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	E1699M	0.16	µg/kg	0.16	UJ	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1.2		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	30.2		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	35.5		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	66.9		6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.52	µg/kg	0.52	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.21	µg/kg	0.21	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.55	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.52	µg/kg	0.52	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.62	µg/kg	0.62	U	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.5	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.31	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.51	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.1		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.29	µg/kg	0.29	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDT (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.81	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.4	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.46	µg/kg	0.46	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.37	µg/kg	0.37	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.46	µg/kg	0.46	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.55	µg/kg	0.55	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.55	µg/kg	0.55	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.35	µg/kg	0.35	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.28	µg/kg	0.28	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.35	µg/kg	0.35	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.41	µg/kg	0.41	UJ	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.38	µg/kg	0.38	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.15	µg/kg	0.15	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.3	µg/kg	0.3	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.38	µg/kg	0.38	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.56	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.2	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.36	µg/kg	0.36	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.43	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.36	µg/kg	0.36	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.5	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	2.3	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.34	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM	0.26	µg/kg	0.26	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.1	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	1.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.8	J	6.1	160	7,050	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	1.7		6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.4	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.47	µg/kg	0.47	UJ	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.1	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.4	µg/kg	0.4	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.16	µg/kg	0.16	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.85		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.4	µg/kg	0.4	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	10	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	11.2	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.57		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.7	J	246	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total DDx (Calculated U = 1/2)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	2.6	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.44	µg/kg	0.44	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.18	µg/kg	0.18	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.35	µg/kg	0.35	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.9	J	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	2.9	J	6.1	160	7,050	No Exceedances for Detected COC
O/P	ALDRIN	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.86		114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.6		50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	4.9	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	6.4	J	6.1	160	7,050	COC Exceeds CUL
O/P	ALDRIN	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.33	µg/kg	0.33	U	2	NA	NA	No Exceedances for Detected COC
O/P	ALDRIN	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	E1699M	0.34	µg/kg	0.34	U	2	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.13	µg/kg	0.13	U	5	NA	NA	No Exceedances for Detected COC
O/P	GAMMA BHC (LINDANE)	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	E1699M	0.14	µg/kg	0.14	U	5	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	0.36	J	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDD (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM	0.27	µg/kg	0.27	U	114	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.33	µg/kg	0.33	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDE (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM	0.34	µg/kg	0.34	U	50	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1.7	J	246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDT (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	1.2		246	NA	NA	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	2.3	J	6.1	160	7,050	No Exceedances for Detected COC
Calculated	Total DDx (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	1.7		6.1	160	7,050	No Exceedances for Detected COC
O/P	DIELDRIN	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.31	µg/kg	0.31	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.29	µg/kg	0.29	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.29	µg/kg	0.29	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	E1699M	0.088	µg/kg	0.088	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.084	µg/kg	0.084	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.11	µg/kg	0.11	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.092	µg/kg	0.092	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.45	µg/kg	0.45	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.09	µg/kg	0.09	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.088	µg/kg	0.088	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.085	µg/kg	0.085	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.43	µg/kg	0.43	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.43	µg/kg	0.43	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	DIELDRIN	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.33	µg/kg	0.33	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.079	µg/kg	0.079	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.085	µg/kg	0.085	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.087	µg/kg	0.087	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.37	µg/kg	0.48	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.47	µg/kg	0.47	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.72	µg/kg	0.72	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.43	µg/kg	0.43	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.42	µg/kg	0.42	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.45	µg/kg	0.45	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.093	µg/kg	0.093	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.45	µg/kg	0.45	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.083	µg/kg	0.083	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.42	µg/kg	0.42	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	E1699M	0.094	µg/kg	0.094	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	E1699M	0.43	µg/kg	0.43	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.44	µg/kg	0.44	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.082	µg/kg	0.082	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.42	µg/kg	0.42	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.36	µg/kg	0.36	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.47	µg/kg	0.47	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.078	µg/kg	0.078	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.39	µg/kg	0.39	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.39	µg/kg	0.39	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.38	µg/kg	0.38	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.41	µg/kg	0.41	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.36	µg/kg	0.36	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.31	µg/kg	0.31	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	E1699M	0.42	µg/kg	0.42	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	E1699M	0.32	µg/kg	0.38	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.28	µg/kg	0.28	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	E1699M	0.08	µg/kg	0.08	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.08	µg/kg	0.08	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.41	µg/kg	0.94	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.079	µg/kg	0.079	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.31	µg/kg	0.31	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	E1699M	0.08	µg/kg	0.08	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	DIELDRIN	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.078	µg/kg	0.078	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.44	µg/kg	0.44	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.42	µg/kg	0.42	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.079	µg/kg	0.079	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.43	µg/kg	0.43	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	E1699M	0.11	µg/kg	0.11	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.5	µg/kg	0.5	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.46	µg/kg	0.46	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	E1699M	0.11	µg/kg	0.11	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.083	µg/kg	0.41		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.079	µg/kg	0.27		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	E1699M	0.11	µg/kg	0.11	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-064-TOB	SIB-064-TOB-2-3-10182022	2	3	10/18/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.079	µg/kg	0.079	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-065-OHW	SIB-065-OHW-2-3-10182022	2	3	10/18/2022	E1699M	0.079	µg/kg	0.079	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.078	µg/kg	0.078	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	E1699M	0.46	µg/kg	0.46	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-066-MLW	SIB-066-MLW-1-2-10182022	1	2	10/18/2022	E1699M	0.097	µg/kg	0.097	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	E1699M	0.08	µg/kg	0.08	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	10/18/2022	E1699M	0.079	µg/kg	0.079	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-067-MLW	SIB-067-MLW-1-2-10142022	1	2	10/14/2022	E1699M	0.085	µg/kg	0.085	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.29	µg/kg	0.29	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-067-TOB	SIB-067-TOB-2-3-10142022	2	3	10/14/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.081	µg/kg	0.081	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.31	µg/kg	0.31	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-068-TOB	SIB-068-TOB-2-3-10142022	2	3	10/14/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	E1699M	0.085	µg/kg	0.085	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	E1699M	0.08	µg/kg	0.08	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.11	µg/kg	0.11	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	DIELDRIN	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.11	µg/kg	0.11	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.083	µg/kg	0.083	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.083	µg/kg	0.083	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.5	µg/kg	0.5	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	10/13/2022	E1699M	0.11	µg/kg	0.11	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.4	µg/kg	1.3		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	E1699M	3.8	µg/kg	290		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	E1699M	3.9	µg/kg	41		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	E1699M	0.43	µg/kg	8.9		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.09	µg/kg	0.09	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	E1699M	0.092	µg/kg	0.092	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.5	µg/kg	0.5	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	E1699M	0.12	µg/kg	0.12	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.35	µg/kg	3.7	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.54	µg/kg	0.54	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	E1699M	0.12	µg/kg	0.12	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.37	µg/kg	3.6		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	E1699M	0.37	µg/kg	3.3		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.41	µg/kg	0.98	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.44	µg/kg	0.44	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	E1699M	0.083	µg/kg	0.083	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.42	µg/kg	7.7		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.47	µg/kg	0.47	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	E1699M	0.12	µg/kg	0.12	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	E1699M	0.084	µg/kg	0.084	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	E1699M	0.082	µg/kg	0.082	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.43	µg/kg	0.43	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.43	µg/kg	0.43	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.37	µg/kg	2.1		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	E1699M	0.46	µg/kg	0.46	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	10/12/2022	E1699M	0.096	µg/kg	0.096	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	E1699M	0.079	µg/kg	0.079	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	E1699M	0.42	µg/kg	0.42	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.48	µg/kg	0.48	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	10/11/2022	E1699M	0.12	µg/kg	0.12	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.29	µg/kg	0.29	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.09	µg/kg	0.09	U	0.07	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	DIELDRIN	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.085	µg/kg	0.085	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	E1699M	0.081	µg/kg	0.11	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.53	µg/kg	0.53	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	E1699M	0.13	µg/kg	0.13	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	10/11/2022	E1699M	0.079	µg/kg	0.079	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	E1699M	0.077	µg/kg	0.077	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.54	µg/kg	0.54	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	E1699M	0.13	µg/kg	0.13	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	E1699M	0.44	µg/kg	0.44	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	E1699M	0.42	µg/kg	0.42	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.51	µg/kg	0.51	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	E1699M	0.12	µg/kg	0.12	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	E1699M	0.078	µg/kg	0.078	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.55	µg/kg	0.55	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	E1699M	0.14	µg/kg	0.14	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	E1699M	0.077	µg/kg	0.077	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	E1699M	0.12	µg/kg	0.12	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.43	µg/kg	0.7	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	E1699M	0.35	µg/kg	0.63	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.088	µg/kg	0.088	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.49	µg/kg	0.49	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	E1699M	0.11	µg/kg	0.11	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.43	µg/kg	0.43	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.11	µg/kg	0.11	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.33	µg/kg	1.3		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	E1699M	0.11	µg/kg	0.11	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	E1699M	0.089	µg/kg	0.089	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.11	µg/kg	0.11	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.11	µg/kg	0.11	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.4	µg/kg	0.4	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.35	µg/kg	7		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	E1699M	0.33	µg/kg	7.3		0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	E1699M	0.34	µg/kg	0.81	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.087	µg/kg	0.087	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.078	µg/kg	0.078	UJ	0.07	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	DIELDRIN	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.093	µg/kg	0.093	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.078	µg/kg	0.078	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.099	µg/kg	0.099	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.088	µg/kg	0.088	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	E1699M	0.077	µg/kg	0.077	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	E1699M	0.089	µg/kg	0.089	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	E1699M	0.079	µg/kg	0.079	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.088	µg/kg	0.088	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	E1699M	0.08	µg/kg	0.08	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	E1699M	0.077	µg/kg	0.14	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.091	µg/kg	0.31	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-101-OHW	SIB-101-OHW-2-3-10062022	2	3	10/6/2022	E1699M	0.078	µg/kg	0.52	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	E1699M	0.078	µg/kg	0.078	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.48	µg/kg	0.48	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	E1699M	0.11	µg/kg	0.55	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-102-OHW	SIB-102-OHW-2-3-10062022	2	3	10/6/2022	E1699M	0.079	µg/kg	0.079	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.36	µg/kg	0.36	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	E1699M	0.08	µg/kg	0.08	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.09	µg/kg	0.09	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	E1699M	0.081	µg/kg	0.081	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	E1699M	0.091	µg/kg	0.091	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	E1699M	0.083	µg/kg	0.083	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.088	µg/kg	0.088	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.085	µg/kg	0.085	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.32	µg/kg	0.52	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.083	µg/kg	0.083	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.3	µg/kg	0.45	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.082	µg/kg	0.082	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	E1699M	0.44	µg/kg	0.44	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-110-MLW	SIB-110-MLW-1-2-10052022	1	2	10/5/2022	E1699M	0.12	µg/kg	0.12	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.08	µg/kg	0.08	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	E1699M	0.098	µg/kg	0.098	UJ	0.07	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
O/P	DIELDRIN	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.083	µg/kg	0.083	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	E1699M	0.38	µg/kg	0.38	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	E1699M	0.079	µg/kg	0.079	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	E1699M	0.082	µg/kg	0.082	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.39	µg/kg	0.39	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.084	µg/kg	0.084	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.29	µg/kg	0.29	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.44	µg/kg	0.44	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.3	µg/kg	0.3	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	E1699M	0.32	µg/kg	0.54	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	E1699M	0.082	µg/kg	0.082	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	E1699M	0.088	µg/kg	0.088	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	E1699M	0.41	µg/kg	0.41	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	E1699M	0.082	µg/kg	0.082	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.34	µg/kg	0.36	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.35	µg/kg	0.35	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.45	µg/kg	0.45	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	10/26/2022	E1699M	0.11	µg/kg	0.11	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.34	µg/kg	0.34	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.37	µg/kg	0.37	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	10/26/2022	E1699M	0.08	µg/kg	0.08	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.35	µg/kg	0.35	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.38	µg/kg	0.78	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	E1699M	0.32	µg/kg	0.35	J	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	E1699M	0.097	µg/kg	0.097	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.39	µg/kg	0.39	UJ	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	E1699M	0.32	µg/kg	0.32	U	0.07	NA	NA	COC Exceeds CUL
O/P	DIELDRIN	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	E1699M	0.33	µg/kg	0.33	U	0.07	NA	NA	COC Exceeds CUL
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	39.6	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	244	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	115		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	780	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	526		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	3,690		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	177		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1,300	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	55.6		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	358	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	99.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	605	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	189		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1,230	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	97.6		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	592	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_TEQ		µg/kg	6.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_SUM		µg/kg	36.8	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	27.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	168	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	144		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	941	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	10.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	66	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.65	µg/kg	0.65	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	43.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	282	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	89.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	532	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	131		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1,970	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	234		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1,740		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.58	µg/kg	0.58	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	46.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	310	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.56	µg/kg	0.56	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	155		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1,020	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.62	µg/kg	0.62	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	22.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	157	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	83.4		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	590	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.56	µg/kg	0.56	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	202		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1,270		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	24.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	168	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	162		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1,010	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.52	µg/kg	0.52	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	108		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	709	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	39.8	J	774	NA	774,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PAH (Calculated U = 1/2)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	230	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	848		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	6,530	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	4.8	µg/kg	4.8	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	360		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	3,670	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	1,650	J	774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	13,600	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.59	µg/kg	0.59	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	162		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1,160		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		µg/kg	501	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	3,620	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	SW8270D-SIM	5.4	µg/kg	5.4	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	1,740		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	10,800		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.57	µg/kg	0.57	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	16.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	125	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	17.6	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	96.9	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	24.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	161	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	99		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	680	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	63.2		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	479	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	9.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	34.1	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	789		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	4,610		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	101		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	891		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	1,900		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	16,400		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	5.9	µg/kg	5.9	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	79.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	570	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.86	µg/kg	0.86	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	217		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1,770		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	372	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2,380	J	23,000	30,000	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PAHs	NAPHTHALENE	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	5	µg/kg	5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	670	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	5,620	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	9.6	µg/kg	9.6	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	465		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	3,130		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	2.8	µg/kg	2.8	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	919		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	6,940	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	2.6	µg/kg	2.6	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	1,450		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	9,760		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	812		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	7,420		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	6.2	µg/kg	6.2	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	17.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	104	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.58	µg/kg	0.58	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	41.9		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	286		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.56	µg/kg	0.56	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	29.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	212	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	101		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	807		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.58	µg/kg	0.58	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	39.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	274	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	17.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	123	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.56	µg/kg	0.56	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		µg/kg	8.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	53.1	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	175		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	803		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.62	µg/kg	0.62	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	69.7	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	665	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	78.2		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	522		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.57	µg/kg	0.57	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	60.8	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.52	µg/kg	0.52	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	34.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	253	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.67	µg/kg	0.67	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	14.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	126	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	233		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1,520		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	4,210		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	31,900		23,000	30,000	NA	COC Exceeds RAL/PQL
PAHs	NAPHTHALENE	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	227		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1,590		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	350		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2,400		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	21,600		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	187,000		23,000	30,000	NA	COC Exceeds RAL/PQL
PAHs	NAPHTHALENE	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	60.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	443	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	81.2		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	619		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	132		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1,050		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	197		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1,460		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	121		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	981		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	58.4		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	712		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	33.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	272	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		µg/kg	107		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	752		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	26.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	167	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	159		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1,240		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	982		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	5,340	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	117		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	902		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	162		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1,100	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	43.8	J	774	NA	774,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PAH (Calculated U = 1/2)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	322	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	85.8		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	492	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	109		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	844	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	67.5		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	530	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	34.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	263	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		µg/kg	89.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	606	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	7.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	47.3	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	436	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	2,870	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	4.9	µg/kg	4.9	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	58.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	322	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	89.9		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	617	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	285	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	3,310	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	5.3	µg/kg	5.3	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	74.9		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	673	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	106		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	795	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	111		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1,110	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	71.1		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	504	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	97.1		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_TEQ		µg/kg	29.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	658	J	23,000	30,000	NA	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_SUM		µg/kg	181	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	98.7	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	719	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.59	µg/kg	0.59	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	4,350		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	26,400		23,000	30,000	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PAHs	NAPHTHALENE	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	5	µg/kg	5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	38.1		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	248	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.52	µg/kg	0.52	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	53.6	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	359	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	40.8		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	429	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.52	µg/kg	0.52	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	64.1		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	719	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	66.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	597	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.58	µg/kg	0.58	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		µg/kg	14.7	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	114	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	29.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	230	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	139		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	904	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.61	µg/kg	0.61	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	19.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	118	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	46.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	406	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	82.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	512	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	47	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	334	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	29.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	204	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	3.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	12.4	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	73		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	446		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	24	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	155	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	12.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	72.4	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	6.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	34.8	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	16.6	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.57	µg/kg	0.57	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	70	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	497	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		µg/kg	8.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	44.3	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	1.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	32.9	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	3.6	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	123	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	16.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	84.6	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.52	µg/kg	0.52	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	5.7	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	31.4	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	227		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	1,640		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	3.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	58.3	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	9.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	45	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	18.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	106	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_TEQ		µg/kg	18	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	100	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	63.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	558	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.62	µg/kg	0.62	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	20	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	137	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	35.6	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	424	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.66	µg/kg	0.66	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	68.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	388	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	12.7	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	68.2	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	7.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	37.4	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.58	µg/kg	0.58	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	24.5	J	774	NA	774,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PAH (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	127	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	127		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	938		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	52.6	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	505	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.61	µg/kg	0.61	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	53.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	311	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	43.6	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	232	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	15.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	108	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	38.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	186	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	41.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	255	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	9.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	81.5	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	28.3	J	774	NA	774,000	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	183	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		µg/kg	39.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	220	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	29.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	389	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.67	µg/kg	0.67	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	161		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1,580		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	33.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	183	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	10	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	60.4	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.65	µg/kg	0.65	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	31.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	278	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	219	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1,630	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	11	µg/kg	11	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	7.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	43.3	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.63	µg/kg	0.63	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	546		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	4,560		23,000	30,000	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PAHs	NAPHTHALENE	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	50.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	327	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	57.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	806	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.59	µg/kg	0.59	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	89.6		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	839		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	28.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	156	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	19.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		µg/kg	18.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	129	J	23,000	30,000	NA	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	146	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.61	µg/kg	0.61	U	NA	NA	140,000	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	SW8270D-SIM	0.59	µg/kg	0.59	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	171		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	2,250		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.56	µg/kg	0.56	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	47.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	276	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	5.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	27.5	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.6	µg/kg	0.6	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	24.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	148	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		µg/kg	89.8		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	584	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	0.53	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	5.9	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.66	µg/kg	0.66	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	231	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	1,880	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	5	µg/kg	5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	120		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	1,050		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	5.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	21.3	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.65	µg/kg	0.65	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	57.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	453	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	72.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	512	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	0.65	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	6.9	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.73	µg/kg	0.73	U	NA	NA	140,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	42.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	295	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	38.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	215	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	4.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	15.7	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.68	µg/kg	0.68	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	73.7		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	435		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	148		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	684	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	18.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	140	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.58	µg/kg	0.58	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	117		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	710		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		µg/kg	108		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	676	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	5.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	37.7	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.66	µg/kg	0.66	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	19.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	123	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.47	µg/kg	0.47	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	56.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	382	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.49	µg/kg	0.49	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	0.65	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	CALC_TEQ	0.72	µg/kg	0.72	UJ	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	12.6	J	23,000	30,000	NA	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	36.9	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.78	µg/kg	0.78	UJ	NA	NA	140,000	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	SW8270D-SIM	0.89	µg/kg	0.89	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	60		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	657	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.51	µg/kg	0.51	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	88.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	349	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	9.8	µg/kg	9.8	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	76.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	566	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.56	µg/kg	0.56	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	71.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	447	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.52	µg/kg	0.52	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	5.6	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	125	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.52	µg/kg	0.52	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	36	J	774	NA	774,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PAH (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	302	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.66	µg/kg	0.66	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	156	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	986	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	5.5	µg/kg	5.5	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	241	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	2,720	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	4.9	µg/kg	4.9	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	3.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	28.2	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.65	µg/kg	0.65	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	118	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	552	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	5.1	µg/kg	5.1	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	15.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	128	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.5	µg/kg	0.5	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	20.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	176	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	53.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	349	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		µg/kg	81.2		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	559	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	20.8	J	774	NA	774,000	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	20.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	142	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.56	µg/kg	0.56	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	146		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1,020	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	71.5		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	466	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	10.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	57.6	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.69	µg/kg	0.69	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	163		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	962	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	4,320		774	NA	774,000	COC Exceeds CUL
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_TEQ		µg/kg	1,240		774	NA	774,000	COC Exceeds CUL
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_TEQ		µg/kg	226		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	24,900	J	23,000	30,000	NA	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	7,740	J	23,000	30,000	NA	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	1,420	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	5.2	µg/kg	5.2	U	NA	NA	140,000	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	SW8270D-SIM	0.52	µg/kg	0.52	UJ	NA	NA	140,000	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	SW8270D-SIM	0.5	µg/kg	0.5	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	13.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	146	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	39	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	231	J	23,000	30,000	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PAHs	NAPHTHALENE	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	71.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	434	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	84.1		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	938	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	222		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1,550	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	58.8		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	383	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	6.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	39.4	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.61	µg/kg	0.61	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	105		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	665	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	153		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	988	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	7.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	56.2	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.52	µg/kg	0.52	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	204	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1,600	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	4.7	µg/kg	4.7	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	103		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	708	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	16.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	144	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	118		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	959	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		µg/kg	56.7		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	391	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	8.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	48.1	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	39.7	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	199	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	4.7	µg/kg	4.7	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	42.4	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	253	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	23	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	161	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	7.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	41.2	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	47.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	293	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	151	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1,940	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.65	µg/kg	120		NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	22	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	162	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	26.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	163	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	15.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	148	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	0.73	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	22	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	44.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	253	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	15.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	145	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.52	µg/kg	0.52	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	19.2	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	120	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		µg/kg	15.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	76.2	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	22.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	126	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	31.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	186	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	35.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	212	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	31	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	194	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	2,480		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	16,300		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	2.4	µg/kg	200		NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	55.8		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	383	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	18.1	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	125	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	50,500		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	458,000		23,000	30,000	NA	COC Exceeds RAL/PQL
PAHs	NAPHTHALENE	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	9.4	µg/kg	4,000		NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	601		774	NA	774,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PAH (Calculated U = 1/2)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	9,030		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.54	µg/kg	0.54	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	5.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	46.3	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.69	µg/kg	0.69	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	74.9		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	561	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	13.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	89.5	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	48.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	250	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.6	µg/kg	0.6	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	63.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	430	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		µg/kg	54.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	306	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	35.5	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	183	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	272		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	2,320		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	57.7		774	NA	774,000	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	57.7		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	345	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	106		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1,040	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	296		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1,660	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	65.6		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	502	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		µg/kg	114		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	871	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	SW8270D-SIM	0.57	µg/kg	0.57	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		µg/kg	124		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1,050	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	76.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	545	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		µg/kg	63.1		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	545	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	312		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1,790	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.56	µg/kg	0.56	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		µg/kg	280		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1,790		23,000	30,000	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PAHs	NAPHTHALENE	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	SW8270D-SIM	0.52	µg/kg	0.52	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		µg/kg	36.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	231	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	SW8270D-SIM	0.49	µg/kg	0.49	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		µg/kg	4.3	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	31.4	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	SW8270D-SIM	0.53	µg/kg	0.53	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		µg/kg	154		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1000		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_TEQ		µg/kg	31.7	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	182	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	39.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	326	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.72	µg/kg	0.72	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	1,530	J	774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	18,700	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.54	µg/kg	430	J	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	156	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1,020	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.52	µg/kg	0.52	UJ	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	5.7	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	49.2	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	74.7		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	554		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	55.9	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	402	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.47	µg/kg	0.47	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	293		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	3,470		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	556		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	5,490	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.48	µg/kg	0.48	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	55.3		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	314	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.56	µg/kg	0.56	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	1,430		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	21,300		23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	1,850		774	NA	774,000	COC Exceeds CUL
Calculated	Total PAH (Calculated U = 1/2)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	23,400	J	23,000	30,000	NA	COC Exceeds CUL
PAHs	NAPHTHALENE	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.55	µg/kg	0.55	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	4.8	J	774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	19.2	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.63	µg/kg	0.63	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	89.7		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	1,260	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.51	µg/kg	0.51	U	NA	NA	140,000	No Exceedances for Detected COC
Calculated	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		µg/kg	84.5		774	NA	774,000	No Exceedances for Detected COC
Calculated	Total PAH (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	660	J	23,000	30,000	NA	No Exceedances for Detected COC
PAHs	NAPHTHALENE	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	SW8270D-SIM	0.5	µg/kg	0.5	U	NA	NA	140,000	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	97.4	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	92.4	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	306		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	146		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	108	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	146	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	392		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	110	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_SUM		µg/kg	14.5	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	31.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	275		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	104		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	CALC_SUM		µg/kg	29.9	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	192	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	148		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	256		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	50.3		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	428		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	22.3		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	28.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	310	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	31		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	240		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	225		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	102		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	879	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	3,380		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	513	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	278	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	209	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	173	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	55.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	93.4	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	277	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	432	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	28.6		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	325	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	383	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	625	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	112	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	225	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	402	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1,320	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	600	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	382	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	505	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	838	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	12.3	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	104		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	46.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	176		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	15.3		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	98.6		9	75	200	COC Exceeds RAL/PQL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	84.7	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	132	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	13.5	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	213		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	74.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	117		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	135	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	121	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	313	JA	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	264	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	16		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	107	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	164		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	3,470	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	209		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	76.1	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	104	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	82.4		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	16.9	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	379		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	68.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	140	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	97.3	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	36.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	83.5	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	102	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	145	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	68.8		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	179		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	9.5	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	130	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	14.7	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	111	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	72.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	53.7	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	224	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	437		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	352		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	484	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_SUM		µg/kg	62.8	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	69.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	95.6	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	336	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	50.1	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	51.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	62.8	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	458	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	15.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	17.8	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	CALC_SUM		µg/kg	18.8	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	141		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	20.8		9	75	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	17.8	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	CALC_SUM		µg/kg	35.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	52.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	20.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	10.1	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	CALC_SUM		µg/kg	24.7	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	10.4	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-1-2-10182022	1	2	10/18/2022	CALC_SUM		µg/kg	6.7	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-2-3-10182022	2	3	10/18/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	6.4	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	6.9	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	6.7	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	9.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	CALC_SUM		µg/kg	8.4	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	14.3	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	10/18/2022	CALC_SUM		µg/kg	8	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	10/18/2022	CALC_SUM		µg/kg	7.5	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	7.7	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	12.3	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-1-2-10142022	1	2	10/14/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	6.8	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		µg/kg	76.9	JA	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	CALC_SUM		µg/kg	46.3	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	63.4	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	12.8		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	40.3		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	61.4	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	10.7		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	12.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	23.1	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	118		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	63.9	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	989		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	261	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	CALC_SUM		µg/kg	100	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	13.9	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	259		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	77	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	94.3		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	245	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	9.5	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	271		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	39.8	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	157		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	250	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	7.4	J	9	75	200	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	13.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	8.4	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	177		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	95.3	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	132	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	127	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	79.7	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	12.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	29.4	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	251	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	93.3	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	724	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	123	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	21.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	25.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	109	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	14.8	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	25.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	15.7		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	37.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	26.3	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	21.8		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	12.1		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	16.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	840	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	208	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	10.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	52.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	13.3	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	11.7		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	78.3		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	54.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	491	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	98.2		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	59.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	59.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	27.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	27.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	9.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	24		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	9	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	88.9		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	44.6		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	199		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	98.8		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	CALC_SUM		µg/kg	76.1		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	12.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-1-2-10112022	1	2	10/11/2022	CALC_SUM		µg/kg	32.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	69	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	130	J	9	75	200	COC Exceeds RAL/PQL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	12.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	7.5	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	CALC_SUM		µg/kg	6.8	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	168	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	148		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	CALC_SUM		µg/kg	168	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	73	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	25.1		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	248		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	11.6		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	8.8	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	201	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	159		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	23.7		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	12.1		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	7.7	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	186	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	164		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	149	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	52.7	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	140		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	164		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	179		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	CALC_SUM		µg/kg	118		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	8.7	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	37.1		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	155		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	113	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	138		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	127		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	155		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	123		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	84.1	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	66.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	112		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	204	J	9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	61.3		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	98.6	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	16	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	49.8		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	114	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	80.1		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	54.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	87.2	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	37.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	28.1		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	85		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	34.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	86.8		9	75	200	COC Exceeds RAL/PQL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	66.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	12.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	71.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	20.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	10.8		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	26.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	47.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	83.3		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	10.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	28.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	10/7/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	34.7		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	16		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		µg/kg	42.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	7.3	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	58.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	CALC_SUM		µg/kg	11.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	18.7		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	10/6/2022	CALC_SUM		µg/kg	38.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	CALC_SUM		µg/kg	16.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	24.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	6	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	62.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	CALC_SUM		µg/kg	11	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	8.4	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	7.1	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	15.8		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	CALC_SUM		µg/kg	15.7	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	CALC_SUM		µg/kg	17.6		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	8.9	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	6.3	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	CALC_SUM	1.6	µg/kg	1.6	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	100	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	11.1	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	15.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	118	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	CALC_SUM		µg/kg	229		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	57.1	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	136		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	16.7		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	16.8		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	CALC_SUM		µg/kg	9.2	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	69.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	31.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	32.7		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	59.7	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	112		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_SUM	2.5	µg/kg	2.5	U	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	29		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	9.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	21.3	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	11.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	CALC_SUM		µg/kg	6.9	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	67.9		9	75	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	27.4		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	CALC_SUM		µg/kg	27.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	CALC_SUM		µg/kg	14.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	25.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	22.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	102	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	32.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	48		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	CALC_SUM		µg/kg	33.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	122		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	99.9		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	44.4	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	97.5		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	56.2		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	585		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	2,910		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	73.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	92.9		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	186		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	341		9	75	200	COC exceeds PTW
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	152	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	CALC_SUM		µg/kg	94.3		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	53.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	43.5		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	13	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	160	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	CALC_SUM		µg/kg	70.6		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	40		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	12	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	177	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	128		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	30.9		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	17.3	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	106		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	25.3		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	28.8	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	61.6	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	29		9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	49.1	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	74.5	J	9	75	200	COC Exceeds CUL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	111		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	92.4		9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	6.8	J	9	75	200	No Exceedances for Detected COC
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	84	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	179	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Aroclors (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	81.4	J	9	75	200	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		pg/g	161,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		pg/g	131,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		pg/g	279,000	J	9,000	75,000	200,000	COC exceeds PTW
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		pg/g	440,000	J	9,000	75,000	200,000	COC exceeds PTW
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		pg/g	102,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		pg/g	1,480,000	J	9,000	75,000	200,000	COC exceeds PTW
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		pg/g	522,000	J	9,000	75,000	200,000	COC exceeds PTW
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		pg/g	181,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		pg/g	800,000	J	9,000	75,000	200,000	COC exceeds PTW

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area, Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		pg/g	101,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		pg/g	237,000	J	9,000	75,000	200,000	COC exceeds PTW
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		pg/g	68,100	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		pg/g	111,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		pg/g	3,170	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		pg/g	138,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		pg/g	89,800	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		pg/g	10,200	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		pg/g	140,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		pg/g	1,850	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	CALC_SUM		pg/g	1,020	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		pg/g	633,000	J	9,000	75,000	200,000	COC exceeds PTW
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		pg/g	69,600	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		pg/g	8,130	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		pg/g	70,000	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		pg/g	364,000	J	9,000	75,000	200,000	COC exceeds PTW
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		pg/g	72,200	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		pg/g	21,200	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		pg/g	38,400	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		pg/g	9,340	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM		pg/g	6,590	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM		pg/g	4,060	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	CALC_SUM		pg/g	36,900	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		pg/g	1,100	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		pg/g	3,210	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	CALC_SUM		pg/g	2,470	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	10/18/2022	CALC_SUM		pg/g	1,910	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		pg/g	1,820	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	CALC_SUM		pg/g	826	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	CALC_SUM		pg/g	36,900	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM		pg/g	1,140	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM		pg/g	3,850	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		pg/g	21,700	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		pg/g	25,000	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		pg/g	38,100	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		pg/g	130,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		pg/g	15,400	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		pg/g	9,390	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM		pg/g	44,100	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM		pg/g	2,150	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		pg/g	15,300	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		pg/g	21,900	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		pg/g	75,300	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		pg/g	12,600	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		pg/g	58,400	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		pg/g	12,700	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM		pg/g	13,600	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		pg/g	6,340	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM		pg/g	171	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	10/11/2022	CALC_SUM		pg/g	69.5	UJ	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		pg/g	35,300	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		pg/g	18,200	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM		pg/g	3,010	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM		pg/g	186,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	CALC_SUM		pg/g	53,300	J	9,000	75,000	200,000	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
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Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		pg/g	2,180	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	CALC_SUM		pg/g	1,090	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		pg/g	1,480	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		pg/g	28,500	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM		pg/g	8,070	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		pg/g	190,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		pg/g	100,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		pg/g	80,000	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM		pg/g	10,600	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		pg/g	1,280	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		pg/g	56,800	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		pg/g	52,100	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		pg/g	74,200	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		pg/g	70,200	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		pg/g	28,300	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		pg/g	31,300	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM		pg/g	5,120	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM		pg/g	83,200	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		pg/g	10,500	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	CALC_SUM		pg/g	984	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		pg/g	11,400	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM		pg/g	5,730	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	CALC_SUM		pg/g	658	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		pg/g	11,200	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-1-2-10062022	1	2	10/6/2022	CALC_SUM		pg/g	611	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	CALC_SUM		pg/g	761	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		pg/g	8,830	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		pg/g	6,430	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		pg/g	19,600	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		pg/g	1,880	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	CALC_SUM		pg/g	5,370	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM		pg/g	24,400	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		pg/g	7,640	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		pg/g	21,400	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		pg/g	32,600	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		pg/g	26,100	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		pg/g	33,100	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		pg/g	22,400	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		pg/g	3,600	J	9,000	75,000	200,000	No Exceedances for Detected COC
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		pg/g	59,500	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		pg/g	87,800	J	9,000	75,000	200,000	COC Exceeds RAL/PQL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		pg/g	9,840	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		pg/g	38,800	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	Total PCB Congener (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM		pg/g	68,200	J	9,000	75,000	200,000	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	1.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.613	pg/g	1.58	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.469	pg/g	0.469	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.758	pg/g	0.758	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.664	pg/g	0.664	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.396	pg/g	0.396	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	5.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.888	pg/g	1.93	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	E1613B	1.05	pg/g	2.35	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	E1613B	1.22	pg/g	1.22	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.632	pg/g	1.24	J	0.40658	NA	600	COC Exceeds CUL

Table 4-1 (continued)
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Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.419	pg/g	0.419	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.844	pg/g	3.33	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.806	pg/g	0.838	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.826	pg/g	1.54	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.636	pg/g	2.58	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.412	pg/g	0.412	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	2.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.622	pg/g	1.73	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.393	pg/g	0.465	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.588	pg/g	0.588	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.399	pg/g	1.28	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.261	pg/g	0.261	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	2.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.38	pg/g	1.68	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.366	pg/g	0.43	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.364	pg/g	0.364	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.605	pg/g	0.95	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.257	pg/g	0.257	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	2.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.671	pg/g	2.27	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.407	pg/g	0.407	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.625	pg/g	0.625	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.481	pg/g	1.11		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.361	pg/g	0.361	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	6.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.265	pg/g	2.76	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.472	pg/g	0.866	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.426	pg/g	1.32	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	E1613B	1.62	pg/g	2.14		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.291	pg/g	0.291	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	4.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.308	pg/g	2.32	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.42	pg/g	0.537	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.32	pg/g	1.24	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.639	pg/g	0.893	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.274	pg/g	0.274	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_TEQ		pg/g	1.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	E1613B	0.545	pg/g	0.545	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	E1613B	0.465	pg/g	0.465	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	E1613B	0.654	pg/g	0.654	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	E1613B	0.797	pg/g	0.797	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	E1613B	0.473	pg/g	0.473	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	2.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.206	pg/g	1.71	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.312	pg/g	0.965	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.334	pg/g	0.334	UJ	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.401	pg/g	0.739	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.256	pg/g	0.256	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	4.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.294	pg/g	4.38	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.28	pg/g	0.688	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.57	pg/g	0.57	UJ	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.422	pg/g	1.43		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.22	pg/g	0.22	U	0.2	1	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	0.35	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.116	pg/g	0.116	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.164	pg/g	0.164	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.128	pg/g	0.128	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.273	pg/g	0.273	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.221	pg/g	0.221	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	2.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	CALC_TEQ		pg/g	1.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.217	pg/g	2.64	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	E1613B	0.191	pg/g	0.191	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.327	pg/g	0.482	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	E1613B	0.238	pg/g	0.543	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.44	pg/g	0.44	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	E1613B	0.405	pg/g	0.405	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.707	pg/g	0.806	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	E1613B	0.481	pg/g	0.769	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.311	pg/g	0.311	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	10/17/2022	E1613B	0.252	pg/g	0.252	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	5.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.249	pg/g	10.8	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.468	pg/g	0.939	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.446	pg/g	1.21	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.496	pg/g	1.69		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.269	pg/g	0.269	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	3.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.248	pg/g	3.99	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.31	pg/g	0.532	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.492	pg/g	0.492	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.6	pg/g	0.669	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.254	pg/g	0.254	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	8.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.273	pg/g	6.62		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.504	pg/g	1.46	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.737	pg/g	0.737	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	E1613B	1.22	pg/g	1.74		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.261	pg/g	0.261	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	1.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.252	pg/g	1.95	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.262	pg/g	0.415	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.349	pg/g	0.349	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.298	pg/g	0.453	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.234	pg/g	0.234	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	10.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.228	pg/g	28.1		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.612	pg/g	1.17	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.4	pg/g	0.4	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	E1613B	1.09	pg/g	3.35		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.282	pg/g	0.282	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	1.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.604	pg/g	1.12	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.62	pg/g	0.62	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.684	pg/g	0.684	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.862	pg/g	0.862	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.491	pg/g	0.491	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	3.5	J	10	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.443	pg/g	2.51	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.673	pg/g	0.881	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.783	pg/g	0.783	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.975	pg/g	0.975	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.366	pg/g	0.366	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	13.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.621	pg/g	14.2		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.602	pg/g	1.3	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	E1613B	1.29	pg/g	3.35	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.711	pg/g	1.78		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.232	pg/g	0.296	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	1.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.46	pg/g	1.01	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.845	pg/g	0.845	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.973	pg/g	0.973	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.911	pg/g	0.911	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.254	pg/g	0.254	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	10.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.325	pg/g	15.6		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.766	pg/g	1.28	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	E1613B	1.46	pg/g	2.08	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.567	pg/g	1.91	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.421	pg/g	0.421	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	6.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.723	pg/g	8.06		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.992	pg/g	1.3	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	E1613B	1.27	pg/g	2.78	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.882	pg/g	1.23	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.491	pg/g	0.491	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	3.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.618	pg/g	2.48	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.5	pg/g	0.5	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.684	pg/g	1.31	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.966	pg/g	0.966	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.398	pg/g	0.398	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	75.9	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	E1613B	3.05	pg/g	63.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	E1613B	2.49	pg/g	3.23	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	E1613B	2.79	pg/g	20.2	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	E1613B	3.99	pg/g	6.31	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	E1613B	0.325	pg/g	0.791	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	16.9	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.827	pg/g	12.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	E1613B	1.22	pg/g	3.81	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.895	pg/g	9.1		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	E1613B	1.52	pg/g	5.41		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	E1613B	0.489	pg/g	0.489	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	10.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.799	pg/g	3.78	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.672	pg/g	1.87	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.831	pg/g	2.75	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.943	pg/g	2.5	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.4	pg/g	0.4	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	45.8	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	E1613B	6.83	pg/g	24.9		0.4	NA	400	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	E1613B	2.28	pg/g	7.3	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	E1613B	2.36	pg/g	7.6	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	E1613B	2.06	pg/g	3.3		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.547	pg/g	0.737	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_TEQ		pg/g	28.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	E1613B	1.63	pg/g	15		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	E1613B	1.48	pg/g	3.42	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	E1613B	1.22	pg/g	4.32	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	E1613B	1.61	pg/g	1.97		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	E1613B	0.854	pg/g	0.854	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	217	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	E1613B	5.17	pg/g	78.6		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	E1613B	2.72	pg/g	5.23	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	E1613B	4.35	pg/g	10.6	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	E1613B	3.32	pg/g	3.32	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	E1613B	1.81	pg/g	1.81	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	21.9	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	E1613B	1.49	pg/g	12.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.836	pg/g	0.836	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	E1613B	1.04	pg/g	2.51	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	E1613B	1.07	pg/g	1.07	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.27	pg/g	0.27	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	55.9	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	E1613B	6.38	pg/g	18.1	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	E1613B	4.04	pg/g	4.04	U	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	E1613B	5.92	pg/g	5.92	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	E1613B	5.52	pg/g	5.52	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	E1613B	6.5	pg/g	6.5	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	115	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	E1613B	14	pg/g	36.7	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	E1613B	7.22	pg/g	7.22	U	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	E1613B	8.8	pg/g	8.8	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	E1613B	7.08	pg/g	7.08	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	E1613B	11.1	pg/g	11.1	U	0.2	1	10	COC exceeds PTW
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	184	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	E1613B	46	pg/g	71	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	E1613B	15.7	pg/g	15.7	U	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	E1613B	22.5	pg/g	22.5	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	E1613B	27	pg/g	27	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	E1613B	9.84	pg/g	9.84	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	19.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.708	pg/g	8.35		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.326	pg/g	0.756	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.47	pg/g	1.06	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.434	pg/g	0.434	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.168	pg/g	0.168	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	4.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	E1613B	1.31	pg/g	2.91	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.95	pg/g	0.95	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.94	pg/g	0.94	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	E1613B	1.12	pg/g	1.12	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.44	pg/g	0.44	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	308	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	E1613B	18	pg/g	142	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	E1613B	7.68	pg/g	7.68	U	0.2	2.5	10	COC Exceeds RAL/PQL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	E1613B	6.56	pg/g	15.9	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	E1613B	7.66	pg/g	7.66	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	E1613B	5.86	pg/g	5.86	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	603	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	E1613B	81.7	pg/g	836		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	E1613B	22.8	pg/g	22.8	U	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	E1613B	56.4	pg/g	102	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	E1613B	31.6	pg/g	31.6	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	E1613B	19.3	pg/g	19.3	U	0.2	1	10	COC exceeds PTW
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	600	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	E1613B	39	pg/g	1,260		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	E1613B	18.8	pg/g	18.8	U	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	E1613B	22.7	pg/g	182	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	E1613B	18.9	pg/g	18.9	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	E1613B	18.2	pg/g	18.2	U	0.2	1	10	COC exceeds PTW
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	263	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	E1613B	13.8	pg/g	580		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	E1613B	6.03	pg/g	6.03	U	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	E1613B	13.6	pg/g	71.7		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	E1613B	9.27	pg/g	9.27	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	E1613B	3	pg/g	3	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	1,080	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	E1613B	93.6	pg/g	2,570		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	E1613B	32.4	pg/g	32.4	U	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	E1613B	58	pg/g	295	J	0.3	200	200	COC exceeds PTW
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	E1613B	42	pg/g	42	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	E1613B	39.4	pg/g	39.4	U	0.2	1	10	COC exceeds PTW
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	346	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	E1613B	39.8	pg/g	575		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	E1613B	17.4	pg/g	17.4	U	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	E1613B	22.2	pg/g	90.3	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	E1613B	17.6	pg/g	17.6	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	E1613B	15.8	pg/g	15.8	U	0.2	1	10	COC exceeds PTW
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	928	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	E1613B	102	pg/g	3,000		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	E1613B	27.6	pg/g	27.6	U	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	E1613B	98.6	pg/g	336	J	0.3	200	200	COC exceeds PTW
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	E1613B	44.8	pg/g	44.8	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	E1613B	26.4	pg/g	26.4	U	0.2	1	10	COC exceeds PTW
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	296	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	E1613B	15.3	pg/g	651		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	E1613B	11.7	pg/g	17.8	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	E1613B	10.2	pg/g	102		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	E1613B	1.1	pg/g	11.2		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	E1613B	3.48	pg/g	6.73	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	523	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	E1613B	16.5	pg/g	1,450		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	E1613B	8.14	pg/g	15	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	E1613B	16.5	pg/g	164		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	E1613B	1.11	pg/g	8.67	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	E1613B	3.94	pg/g	3.94	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	463	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	E1613B	9.88	pg/g	1,260		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	E1613B	6.22	pg/g	14.3	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	E1613B	7.7	pg/g	179		0.3	200	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	E1613B	2.02	pg/g	9.34	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	E1613B	4.22	pg/g	4.22	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	574	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	E1613B	15.4	pg/g	1,660		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	E1613B	8.7	pg/g	11.3	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	E1613B	17.1	pg/g	214		0.3	200	200	COC exceeds PTW
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.506	pg/g	12.8		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	E1613B	2.44	pg/g	2.44	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	16.6	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.542	pg/g	45.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.334	pg/g	2.3	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	E1613B	1.08	pg/g	7.16		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.624	pg/g	0.624	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.31	pg/g	0.31	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	58.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.758	pg/g	174		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.428	pg/g	1.94	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.404	pg/g	24.5		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.38	pg/g	1.74	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.292	pg/g	0.292	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	6.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.478	pg/g	18.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.308	pg/g	0.308	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.562	pg/g	2.22	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.444	pg/g	0.444	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.304	pg/g	0.304	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	21.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.304	pg/g	0.304	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	21.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.641	pg/g	28.8		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.492	pg/g	3.02	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.671	pg/g	11.6		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.705	pg/g	0.787	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.342	pg/g	0.476	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	3.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.569	pg/g	5.17		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.539	pg/g	0.539	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.669	pg/g	1.04	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.751	pg/g	0.899	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.491	pg/g	0.491	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	13.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	E1613B	1.45	pg/g	23.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.991	pg/g	1.75	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	E1613B	1.01	pg/g	6.53		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.258	pg/g	1.07	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	E1613B	0.288	pg/g	0.334	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_TEQ		pg/g	10.4		10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.33	pg/g	30.55	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.419	pg/g	0.421	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.254	pg/g	5.245	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.216	pg/g	0.252	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	E1613B	0.159	pg/g	0.159	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	48.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.536	pg/g	140		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.342	pg/g	0.558	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.474	pg/g	39.9		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.39	pg/g	0.842	J	0.40658	NA	600	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.282	pg/g	0.282	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	6.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.65	pg/g	14.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.55	pg/g	0.55	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.538	pg/g	4.11	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.977	pg/g	0.977	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.131	pg/g	0.131	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	228	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	E1613B	3.72	pg/g	712		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	E1613B	2.34	pg/g	2.92	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	E1613B	3.58	pg/g	164		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	E1613B	3.94	pg/g	3.94	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	E1613B	1.61	pg/g	1.61	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	76.9	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.606	pg/g	206		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.398	pg/g	2.53		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.558	pg/g	28.3		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.434	pg/g	0.672	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.35	pg/g	0.35	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	138	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.738	pg/g	442		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.456	pg/g	1.54	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.42	pg/g	113		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.978	pg/g	3.4	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.38	pg/g	0.38	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	5.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.404	pg/g	12.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.302	pg/g	0.302	UJ	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.274	pg/g	3.6	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	E1613B	1.21	pg/g	2.2	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.342	pg/g	0.342	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	13.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.569	pg/g	11.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.617	pg/g	1.66	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.943	pg/g	8.01		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.937	pg/g	2.9	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.214	pg/g	0.214	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	88.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	E1613B	1.88	pg/g	64.1		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	E1613B	1.13	pg/g	10.6	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.969	pg/g	13.6	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	E1613B	3.3	pg/g	3.3	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.468	pg/g	1.12	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	24.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.394	pg/g	9.98		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.438	pg/g	3.73	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.376	pg/g	6.16		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.592	pg/g	3.02		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.282	pg/g	0.46	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	135	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	E1613B	3.14	pg/g	63.8	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	E1613B	3.1	pg/g	24	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	E1613B	3.2	pg/g	29.5		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	E1613B	2.74	pg/g	8.55	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	E1613B	2	pg/g	2	U	0.2	1	10	COC Exceeds RAL/PQL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	24.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	E1613B	1.14	pg/g	6.23		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.292	pg/g	2.56	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.402	pg/g	4.38	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.704	pg/g	1.21		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.722	pg/g	0.722	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	4.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.26	pg/g	1.945	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.35	pg/g	0.859	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.22	pg/g	2.16	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.382	pg/g	0.382	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.25	pg/g	0.25	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	16.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.4	pg/g	10		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.326	pg/g	2.03	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.643	pg/g	5.04		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.338	pg/g	2.38		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.278	pg/g	0.278	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	42.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.512	pg/g	23.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.564	pg/g	8.14	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.34	pg/g	10.4		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.384	pg/g	2.95		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.288	pg/g	0.782		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	26.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.38	pg/g	68.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.793	pg/g	4.02	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.38	pg/g	0.38	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.729	pg/g	0.729	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.416	pg/g	0.416	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	51.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.402	pg/g	19.2		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.214	pg/g	10.3	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.482	pg/g	12.5		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.588	pg/g	4.38		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.372	pg/g	1.14		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	22.9	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.318	pg/g	14.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.242	pg/g	5.08		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.368	pg/g	8.74	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.614	pg/g	1.82		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	E1613B	0.364	pg/g	0.648	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	82.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.451	pg/g	24.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.377	pg/g	34.9		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.389	pg/g	11.9		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.788	pg/g	2.49		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	E1613B	0.445	pg/g	2.6		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_TEQ		pg/g	15.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.364	pg/g	11.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.374	pg/g	2.68	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.511	pg/g	3.88	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.831	pg/g	1.35	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	E1613B	0.441	pg/g	0.441	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	10.7	J	10	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	CALC_TEQ		pg/g	0.62	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.218	pg/g	29.88	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	E1613B	0.166	pg/g	0.166	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.198	pg/g	0.198	UJ	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	E1613B	0.224	pg/g	0.224	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.165	pg/g	3.965	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	E1613B	0.282	pg/g	0.282	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.4	pg/g	0.909	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	E1613B	0.342	pg/g	0.342	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.22	pg/g	0.22	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	10/20/2022	E1613B	0.272	pg/g	0.272	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	81.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.741	pg/g	56.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.819	pg/g	15.1		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	E1613B	2.08	pg/g	17	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	E1613B	3.42	pg/g	5.37		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.683	pg/g	1.45	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	5.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.232	pg/g	4.28	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.292	pg/g	0.292	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.266	pg/g	2.4	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.572	pg/g	1.14		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.26	pg/g	0.26	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	23.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.38	pg/g	7.96		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.468	pg/g	4.9		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.386	pg/g	4.47	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.721	pg/g	2.84		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.524	pg/g	0.524	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	31.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.278	pg/g	14.6		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.248	pg/g	3.06	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.3	pg/g	5.55		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.356	pg/g	1.36		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.356	pg/g	0.356	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	9.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.272	pg/g	4.31	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.537	pg/g	1.77	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.36	pg/g	2.06	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.483	pg/g	0.965	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.34	pg/g	0.34	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	13.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.27	pg/g	8.69		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.516	pg/g	1.97	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.412	pg/g	3.6	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.722	pg/g	1.57		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.314	pg/g	0.314	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	93.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	E1613B	1.4	pg/g	21.3	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	E1613B	1.41	pg/g	8.11	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	E1613B	1.41	pg/g	16	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	E1613B	2.46	pg/g	3.14	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	E1613B	1.83	pg/g	1.83	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	19	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	E1613B	0.444	pg/g	12.3		0.4	NA	400	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	E1613B	0.266	pg/g	2.81	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	E1613B	0.354	pg/g	9.84	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	E1613B	0.781	pg/g	3.64		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	E1613B	0.46	pg/g	0.516		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	10.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.306	pg/g	10.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.416	pg/g	1.76	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.499	pg/g	5.21		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.559	pg/g	1.8	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	E1613B	0.344	pg/g	0.448	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_TEQ		pg/g	46.8	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.294	pg/g	26.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.298	pg/g	9.99		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.468	pg/g	18.5		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.912	pg/g	8.07		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	E1613B	0.482	pg/g	1.17		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	2.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.642	pg/g	1.83	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.618	pg/g	0.618	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.556	pg/g	1.31	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.722	pg/g	0.722	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.374	pg/g	0.374	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	37.8	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.535	pg/g	17.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.288	pg/g	9.45	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.553	pg/g	11.4		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	E1613B	1.3	pg/g	4.69		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.218	pg/g	0.951	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	3.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.374	pg/g	3.62	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.419	pg/g	0.865	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.531	pg/g	1.83	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.643	pg/g	0.643	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.189	pg/g	0.189	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	22.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.404	pg/g	15.6		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.576	pg/g	4.9	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.254	pg/g	7.13		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.942	pg/g	2.34		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.0944	pg/g	0.618	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	15.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.576	pg/g	8.73	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.774	pg/g	3.26		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.562	pg/g	4.56	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.882	pg/g	1.44		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.346	pg/g	0.502		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	17.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.469	pg/g	22.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.408	pg/g	1.46	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.515	pg/g	8.75		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.785	pg/g	0.785	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.177	pg/g	0.177	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	46.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.742	pg/g	41.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.436	pg/g	6.11	J	0.2	2.5	10	COC Exceeds RAL/PQL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.34	pg/g	23.2		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	E1613B	1.56	pg/g	3.65	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.167	pg/g	0.504	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	26.8	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	E1613B	2.18	pg/g	12.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.48	pg/g	2.57		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.74	pg/g	5.82		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.57	pg/g	2.05		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.41	pg/g	0.41	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	15.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.76	pg/g	19.8		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.424	pg/g	4.22	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.648	pg/g	4.44	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	E1613B	1.29	pg/g	2.47	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.414	pg/g	0.414	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	31.1	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_TEQ		pg/g	4.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.687	pg/g	35.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	E1613B	0.394	pg/g	7.38		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.739	pg/g	7.83	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	E1613B	0.336	pg/g	0.725	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.77	pg/g	14.2		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	E1613B	0.507	pg/g	3.22	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	E1613B	2.09	pg/g	5.06		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	E1613B	0.364	pg/g	0.991	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	E1613B	0.404	pg/g	0.496	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	E1613B	0.252	pg/g	0.252	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	50.6	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.92	pg/g	30.6		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.09	pg/g	3.04	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.832	pg/g	11.17	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.23	pg/g	1.82	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.576	pg/g	0.636		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	32.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.894	pg/g	11.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.536	pg/g	5.95	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	E1613B	1.32	pg/g	8		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	E1613B	1.48	pg/g	3.41		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.222	pg/g	0.56		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	6.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.576	pg/g	4.16	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.594	pg/g	0.76	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.494	pg/g	2.87	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.58	pg/g	1.49		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.448	pg/g	0.448	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	7.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.668	pg/g	4.1	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.8	pg/g	1.91	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.93	pg/g	6.42		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	E1613B	1.66	pg/g	1.66	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.596	pg/g	0.596	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	49.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.37	pg/g	13.6		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.962	pg/g	16.9		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.55	pg/g	5.36	J	0.3	200	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.12	pg/g	1.46	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	E1613B	1.06	pg/g	2.39		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	317	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	E1613B	6.08	pg/g	93.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	E1613B	3.88	pg/g	69.7		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	E1613B	3.54	pg/g	23.6	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	E1613B	5.74	pg/g	5.74	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	E1613B	1.41	pg/g	7.43		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	53.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.911	pg/g	24.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.569	pg/g	10		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.735	pg/g	12.3		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	E1613B	2.04	pg/g	2.66		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	E1613B	0.813	pg/g	1.45	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_TEQ		pg/g	92	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	E1613B	3.58	pg/g	34.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	E1613B	3.06	pg/g	20.1		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	E1613B	4.32	pg/g	8.69	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	E1613B	3.5	pg/g	3.5	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	E1613B	0.883	pg/g	1.82	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	3.3	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	CALC_TEQ		pg/g	5.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	E1613B	1.19	pg/g	1.19	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.238	pg/g	2.76	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	E1613B	1.27	pg/g	1.27	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.262	pg/g	1.03	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	E1613B	1.13	pg/g	1.36	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.24	pg/g	2.69	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.654	pg/g	0.654	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	E1613B	1.19	pg/g	1.37	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.75	pg/g	0.75	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.292	pg/g	0.292	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	33.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	E1613B	2.41	pg/g	18.1		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	E1613B	2.27	pg/g	6.98		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	E1613B	2.33	pg/g	10.6		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	E1613B	1.38	pg/g	3.96	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.351	pg/g	1.32	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	5.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.903	pg/g	4.78	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.669	pg/g	0.669	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.582	pg/g	1.28	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.891	pg/g	0.891	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.262	pg/g	0.262	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	5	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	CALC_TEQ		pg/g	1.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	E1613B	1.39	pg/g	4.55	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.169	pg/g	0.169	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	E1613B	1.03	pg/g	1.03	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.217	pg/g	0.217	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	E1613B	1.06	pg/g	1.84	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.168	pg/g	0.168	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.238	pg/g	0.759	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.316	pg/g	0.429	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.397	pg/g	0.397	U	0.2	1	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.248	pg/g	0.248	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	26.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.705	pg/g	13.7	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.504	pg/g	5.03	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.723	pg/g	17.5	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.504	pg/g	3.91	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.368	pg/g	1.15	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	E1613B	1.39	pg/g	4.83	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	E1613B	1.1	pg/g	1.1	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	E1613B	1.16	pg/g	2.44	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.574	pg/g	0.798	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.158	pg/g	0.47	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	12.1	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	CALC_TEQ		pg/g	6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	E1613B	1.3	pg/g	7.38	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.19	pg/g	2.63	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.794	pg/g	0.794	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.271	pg/g	1.09	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.894	pg/g	5.31		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.219	pg/g	2.74	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.972	pg/g	1.13	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.431	pg/g	0.945	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.603	pg/g	0.603	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.259	pg/g	0.259	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	4.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.511	pg/g	0.511	U	0.4	NA	400	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	4.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.511	pg/g	0.511	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1613B	5.71	pg/g	5.71	U	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1613B	5.57	pg/g	5.57	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.712	pg/g	0.712	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.499	pg/g	0.499	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	1.7		10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	E1613B	1.52	pg/g	1.52	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.953	pg/g	0.953	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.785	pg/g	0.785	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.933	pg/g	0.933	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.404	pg/g	0.404	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	2.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	E1613B	1.13	pg/g	1.13	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.941	pg/g	0.941	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.861	pg/g	0.861	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.623	pg/g	0.623	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.2	pg/g	0.2	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	0.99		10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-065-OHW	SIB-065-OHW-1-2-10182022	1	2	10/18/2022	CALC_TEQ		pg/g	0.43	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-065-OHW	SIB-065-OHW-2-3-10182022	2	3	10/18/2022	CALC_TEQ		pg/g	0.42	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.584	pg/g	0.706	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.119	pg/g	0.119	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.152	pg/g	0.152	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.564	pg/g	0.564	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-065-OHW	SIB-065-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.168	pg/g	0.168	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-065-OHW	SIB-065-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.186	pg/g	0.186	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.44	pg/g	0.44	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.178	pg/g	0.178	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.169	pg/g	0.169	U	0.3	200	200	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.61	pg/g	0.61	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.283	pg/g	0.283	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-065-OHW	SIB-065-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.266	pg/g	0.266	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.118	pg/g	0.118	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-065-OHW	SIB-065-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.273	pg/g	0.273	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-065-OHW	SIB-065-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.262	pg/g	0.262	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	1.7		10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	E1613B	1.33	pg/g	1.33	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.872	pg/g	0.872	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.804	pg/g	0.804	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.948	pg/g	0.948	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.424	pg/g	0.424	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	1.2	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-066-MLW	SIB-066-MLW-1-2-10182022	1	2	10/18/2022	CALC_TEQ		pg/g	0.64	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.755	pg/g	0.755	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-066-MLW	SIB-066-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.148	pg/g	0.148	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.815	pg/g	0.815	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-066-MLW	SIB-066-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.217	pg/g	0.263	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.593	pg/g	0.593	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-066-MLW	SIB-066-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.17	pg/g	0.17	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.306	pg/g	0.921	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-066-MLW	SIB-066-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.401	pg/g	0.401	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	E1613B	0.362	pg/g	0.362	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-066-MLW	SIB-066-MLW-1-2-10182022	1	2	10/18/2022	E1613B	0.341	pg/g	0.341	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	3.5		10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	CALC_TEQ		pg/g	0.61	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	CALC_TEQ		pg/g	0.93	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	E1613B	1.37	pg/g	2.26	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.17	pg/g	0.17	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.331	pg/g	0.331	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	E1613B	1.06	pg/g	1.06	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.238	pg/g	0.238	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.414	pg/g	0.414	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	E1613B	1.31	pg/g	1.31	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.266	pg/g	0.266	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.487	pg/g	0.487	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.317	pg/g	0.317	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.367	pg/g	0.367	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.715	pg/g	0.715	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	E1613B	0.277	pg/g	0.548	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	10/18/2022	E1613B	0.285	pg/g	0.285	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	10/18/2022	E1613B	0.45	pg/g	0.45	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_TEQ		pg/g	1.3	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	10/18/2022	CALC_TEQ		pg/g	0.59	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	10/18/2022	CALC_TEQ		pg/g	0.52	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.641	pg/g	0.641	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	10/18/2022	E1613B	0.119	pg/g	0.119	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	10/18/2022	E1613B	0.119	pg/g	0.119	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.665	pg/g	0.665	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	10/18/2022	E1613B	0.212	pg/g	0.212	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	10/18/2022	E1613B	0.191	pg/g	0.191	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.663	pg/g	0.663	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	10/18/2022	E1613B	0.279	pg/g	0.279	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	10/18/2022	E1613B	0.185	pg/g	0.185	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.893	pg/g	0.893	U	0.40658	NA	600	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	10/18/2022	E1613B	0.271	pg/g	0.293	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	10/18/2022	E1613B	0.319	pg/g	0.319	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	E1613B	0.32	pg/g	0.404	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	10/18/2022	E1613B	0.239	pg/g	0.239	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	10/18/2022	E1613B	0.271	pg/g	0.271	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	1.6	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-067-MLW	SIB-067-MLW-1-2-10142022	1	2	10/14/2022	CALC_TEQ		pg/g	0.31	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.233	pg/g	0.233	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-067-MLW	SIB-067-MLW-1-2-10142022	1	2	10/14/2022	E1613B	0.111	pg/g	0.111	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.29	pg/g	0.318	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-MLW	SIB-067-MLW-1-2-10142022	1	2	10/14/2022	E1613B	0.0998	pg/g	0.0998	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.267	pg/g	0.267	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-MLW	SIB-067-MLW-1-2-10142022	1	2	10/14/2022	E1613B	0.133	pg/g	0.133	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.324	pg/g	0.324	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-067-MLW	SIB-067-MLW-1-2-10142022	1	2	10/14/2022	E1613B	0.142	pg/g	0.264	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.276	pg/g	0.276	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-067-MLW	SIB-067-MLW-1-2-10142022	1	2	10/14/2022	E1613B	0.104	pg/g	0.104	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	261	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-067-OHW	SIB-067-OHW-1-2-10142022	1	2	10/14/2022	CALC_TEQ		pg/g	18.2	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	CALC_TEQ		pg/g	45.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1613B	6.16	pg/g	65.4	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.243	pg/g	4.78	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	E1613B	0.375	pg/g	13.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1613B	3.96	pg/g	23.8	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-OHW	SIB-067-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.423	pg/g	2.07	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	E1613B	0.308	pg/g	4.54		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1613B	3.39	pg/g	42	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	E1613B	0.308	pg/g	4.54		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1613B	3.39	pg/g	42	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.34	pg/g	2.76	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	E1613B	0.326	pg/g	8.21		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1613B	4.91	pg/g	4.91	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.557	pg/g	0.557	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	E1613B	0.736	pg/g	1.05		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	E1613B	3.72	pg/g	3.72	U	0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-067-OHW	SIB-067-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.403	pg/g	0.403	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	10/14/2022	E1613B	0.341	pg/g	0.341	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	19.1	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-067-TOB	SIB-067-TOB-1-2-10142022	1	2	10/14/2022	CALC_TEQ		pg/g	5.6	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-067-TOB	SIB-067-TOB-2-3-10142022	2	3	10/14/2022	CALC_TEQ		pg/g	1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.677	pg/g	4.83	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.17	pg/g	0.17	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.123	pg/g	0.123	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.578	pg/g	1.44	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-TOB	SIB-067-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.251	pg/g	0.76	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-067-TOB	SIB-067-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.228	pg/g	0.228	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.242	pg/g	3.12	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.159	pg/g	0.159	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.248	pg/g	0.248	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.304	pg/g	0.602	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.288	pg/g	0.364	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-067-TOB	SIB-067-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.267	pg/g	0.267	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.232	pg/g	0.232	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-067-TOB	SIB-067-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.225	pg/g	0.225	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-067-TOB	SIB-067-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.22	pg/g	0.22	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	1.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.75	pg/g	0.75	U	0.4	NA	400	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.564	pg/g	0.564	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.425	pg/g	0.425	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.741	pg/g	0.741	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.506	pg/g	0.506	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	3.5	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	CALC_TEQ		pg/g	3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.628	pg/g	3.41	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.268	pg/g	3.81	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.544	pg/g	0.544	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.393	pg/g	0.393	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.818	pg/g	0.818	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.91	pg/g	0.91	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.426	pg/g	0.622	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.572	pg/g	0.787	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.398	pg/g	0.398	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	10/14/2022	E1613B	0.314	pg/g	0.314	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	0.92	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-068-TOB	SIB-068-TOB-1-2-10142022	1	2	10/14/2022	CALC_TEQ		pg/g	0.49	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-068-TOB	SIB-068-TOB-2-3-10142022	2	3	10/14/2022	CALC_TEQ		pg/g	0.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.448	pg/g	0.523	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.184	pg/g	0.184	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.171	pg/g	0.679	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.453	pg/g	0.453	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-068-TOB	SIB-068-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.221	pg/g	0.221	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-068-TOB	SIB-068-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.212	pg/g	0.212	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.362	pg/g	0.362	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.241	pg/g	0.241	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.228	pg/g	0.228	UJ	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.565	pg/g	0.565	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.37	pg/g	0.37	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-068-TOB	SIB-068-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.288	pg/g	0.296	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.408	pg/g	0.408	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-068-TOB	SIB-068-TOB-1-2-10142022	1	2	10/14/2022	E1613B	0.284	pg/g	0.284	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-068-TOB	SIB-068-TOB-2-3-10142022	2	3	10/14/2022	E1613B	0.292	pg/g	0.292	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	2.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.491	pg/g	1.4	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.554	pg/g	0.554	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.531	pg/g	0.531	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.819	pg/g	0.819	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	E1613B	0.356	pg/g	0.356	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	1.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.523	pg/g	2.32	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.425	pg/g	0.425	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.826	pg/g	0.826	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.878	pg/g	0.878	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	E1613B	0.417	pg/g	0.417	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_TEQ		pg/g	4.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.507	pg/g	2.83	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.566	pg/g	0.566	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.719	pg/g	1.47	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.741	pg/g	0.741	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	E1613B	0.409	pg/g	0.409	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	12.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.681	pg/g	5.79		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	E1613B	1.04	pg/g	1.9	J	0.2	2.5	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.452	pg/g	3.4	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	E1613B	1.3	pg/g	1.66		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.245	pg/g	0.466	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	8.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.436	pg/g	3.25	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.506	pg/g	1.44	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.571	pg/g	1.45	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.749	pg/g	0.749	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.315	pg/g	0.315	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	3.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.578	pg/g	1.86	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.744	pg/g	0.818	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.499	pg/g	1.3	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.967	pg/g	0.967	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.604	pg/g	0.604	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	8.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.67	pg/g	4.8	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.519	pg/g	1.07	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.729	pg/g	4.01	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.703	pg/g	1.34		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.272	pg/g	0.397	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	2.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.409	pg/g	1.55	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.425	pg/g	0.477	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.357	pg/g	1.15	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.862	pg/g	0.862	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.308	pg/g	0.308	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	1.5	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	1.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.425	pg/g	0.686	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	10/13/2022	E1613B	0.181	pg/g	0.181	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.413	pg/g	0.413	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	10/13/2022	E1613B	0.266	pg/g	0.384	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.389	pg/g	0.389	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	10/13/2022	E1613B	0.14	pg/g	0.14	UJ	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.79	pg/g	0.79	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	10/13/2022	E1613B	0.268	pg/g	0.434	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.371	pg/g	0.371	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	10/13/2022	E1613B	0.29	pg/g	0.29	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	15.3	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.742	pg/g	16.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.202	pg/g	1.85	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.684	pg/g	2.22	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.259	pg/g	0.417	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.672	pg/g	3.52	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.273	pg/g	0.717	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.955	pg/g	1.92	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.301	pg/g	0.479	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.369	pg/g	0.369	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.226	pg/g	0.226	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	68.8	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	18.6	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	CALC_TEQ		pg/g	7.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.848	pg/g	106		0.4	NA	400	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.403	pg/g	23.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	E1613B	0.466	pg/g	8.35		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	E1613B	1.08	pg/g	14.6	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.337	pg/g	3.05	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	E1613B	0.292	pg/g	1.03	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	E1613B	1.28	pg/g	26.5		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.391	pg/g	8.33		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	E1613B	0.554	pg/g	2.61	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.762	pg/g	14.2		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.65	pg/g	2.62	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	E1613B	0.814	pg/g	0.89	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.582	pg/g	1.57		0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.343	pg/g	0.343	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	E1613B	0.298	pg/g	0.298	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	2.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.307	pg/g	0.8475	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.367	pg/g	0.367	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.385	pg/g	1.4	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.792	pg/g	0.792	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.419	pg/g	0.419	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	24.4	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	20.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	E1613B	1.73	pg/g	27.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.392	pg/g	15.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	E1613B	1.21	pg/g	3.92	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.418	pg/g	3.95	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	E1613B	2.26	pg/g	9.37		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	E1613B	1.16	pg/g	5.89		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	E1613B	1.67	pg/g	5.21		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	E1613B	1.54	pg/g	4.2		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.431	pg/g	0.585	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.398	pg/g	0.498		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	8.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	8.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.686	pg/g	10.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.436	pg/g	2.87	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	E1613B	1.16	pg/g	2.43	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.436	pg/g	0.856	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	E1613B	1.06	pg/g	2.13	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.488	pg/g	1.35	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	E1613B	1.14	pg/g	2.6		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.476	pg/g	0.98	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.233	pg/g	0.233	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.348	pg/g	0.348	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	2.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.389	pg/g	1.33	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.555	pg/g	0.555	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.447	pg/g	1.68	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.884	pg/g	0.884	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.411	pg/g	0.411	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	12.2	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	1.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.562	pg/g	6.68		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.25	pg/g	0.25	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.901	pg/g	2.03	J	0.2	2.5	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.222	pg/g	0.326	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	E1613B	1.29	pg/g	5.44		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.302	pg/g	1.08	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	E1613B	1.51	pg/g	7.96		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.608	pg/g	0.608	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.476	pg/g	0.476	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.322	pg/g	0.322	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	6.2	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	3.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.389	pg/g	7.53		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.268	pg/g	3.92	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.552	pg/g	2.08	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.328	pg/g	1.36	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	E1613B	1.43	pg/g	2.21	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.533	pg/g	1.86	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.923	pg/g	1.8		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.885	pg/g	1.68	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.292	pg/g	0.292	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.324	pg/g	0.324	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	1.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.29	pg/g	0.581	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.319	pg/g	0.319	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.258	pg/g	0.461	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.67	pg/g	0.67	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	E1613B	0.323	pg/g	0.323	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	8	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	1.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.461	pg/g	5.65		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.212	pg/g	0.9	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.604	pg/g	1.46	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.247	pg/g	0.317	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.685	pg/g	2.9	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.2	pg/g	0.2	UJ	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.808	pg/g	1.26		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.301	pg/g	0.309	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	E1613B	0.27	pg/g	0.27	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	10/13/2022	E1613B	0.269	pg/g	0.269	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_TEQ		pg/g	9.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	CALC_TEQ		pg/g	4.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.549	pg/g	17.6		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.274	pg/g	4.86	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.539	pg/g	2.86	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.49	pg/g	1.58	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.649	pg/g	2.19	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.314	pg/g	1.07	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	E1613B	1.14	pg/g	1.14	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.372	pg/g	1.74	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	E1613B	0.439	pg/g	0.439	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	E1613B	0.356	pg/g	0.356	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	2	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.264	pg/g	0.65	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.301	pg/g	1.15	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.25	pg/g	0.316	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.225	pg/g	0.62	J	0.2	2.5	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.21	pg/g	0.915	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.188	pg/g	2.05	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.342	pg/g	0.404	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.465	pg/g	0.708	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.228	pg/g	0.228	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.309	pg/g	0.309	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	125	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	E1613B	6.54	pg/g	59.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	E1613B	2.15	pg/g	4.94	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	E1613B	2.83	pg/g	4.68	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	E1613B	2.71	pg/g	2.71	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	E1613B	1.71	pg/g	1.71	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	11.1	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	5.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.6	pg/g	7.86		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.254	pg/g	6.87	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	E1613B	1.19	pg/g	2.16	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.352	pg/g	1.27	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	E1613B	1.22	pg/g	10.3		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.454	pg/g	3.94	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.899	pg/g	2.79		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.352	pg/g	2.16	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.476	pg/g	0.476	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.328	pg/g	0.328	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	1.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	0.34	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.361	pg/g	0.435	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.0871	pg/g	0.0871	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.427	pg/g	0.427	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.175	pg/g	0.175	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.407	pg/g	0.891	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.111	pg/g	0.111	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.584	pg/g	0.584	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.197	pg/g	0.318	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.305	pg/g	0.305	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.184	pg/g	0.184	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	17.2	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	2.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.59	pg/g	11.8		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.1	pg/g	1.58	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.29	pg/g	2.51	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.197	pg/g	0.878	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.83	pg/g	6.12		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.218	pg/g	0.886	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.69	pg/g	1.86		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.346	pg/g	0.612	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.342	pg/g	0.436	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.274	pg/g	0.274	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	18.8	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.445	pg/g	14.8		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.635	pg/g	4.24	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.806	pg/g	14		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.974	pg/g	4.85		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.371	pg/g	0.932	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	0.84	J	10	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.534	pg/g	0.534	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.418	pg/g	0.418	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.442	pg/g	0.442	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.546	pg/g	0.546	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.315	pg/g	0.315	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	4.5	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	5.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.741	pg/g	3.74	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.493	pg/g	2.81	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.652	pg/g	0.652	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.207	pg/g	1.09	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.503	pg/g	2.62	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.678	pg/g	2.23	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.535	pg/g	0.666	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.424	pg/g	0.644	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.34	pg/g	0.34	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.261	pg/g	0.261	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	75.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.451	pg/g	26.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.509	pg/g	14.5		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.677	pg/g	84.9	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	E1613B	1.76	pg/g	3.81		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.507	pg/g	1.29		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	2.9	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	5.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.789	pg/g	1.39	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.228	pg/g	1.53	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.959	pg/g	0.959	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.208	pg/g	0.892	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	E1613B	1.09	pg/g	1.09	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.114	pg/g	3.42	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.843	pg/g	0.843	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.635	pg/g	0.635	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.401	pg/g	0.401	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.294	pg/g	0.294	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	2.9	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	2.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.875	pg/g	1.82	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.226	pg/g	1.45	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.859	pg/g	0.859	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.204	pg/g	0.45	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.845	pg/g	1.19	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.236	pg/g	0.865	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.652	pg/g	0.652	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.36	pg/g	0.438	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.378	pg/g	0.378	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.232	pg/g	0.232	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	7.5	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	5.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.752	pg/g	3.5	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.208	pg/g	3.55	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.914	pg/g	2.14	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.501	pg/g	1.6	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	E1613B	1.02	pg/g	2.92	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.327	pg/g	1.97	J	0.3	200	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.998	pg/g	1.56		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.76	pg/g	1.39	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.457	pg/g	0.642	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.293	pg/g	0.293	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	12.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.762	pg/g	2.63	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.413	pg/g	7.23		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.596	pg/g	0.73	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.373	pg/g	2.51		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.572	pg/g	1.41	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.293	pg/g	5.31		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.61	pg/g	0.63	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.46	pg/g	0.759	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.352	pg/g	0.352	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	E1613B	0.335	pg/g	0.335	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	781	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	E1613B	13.9	pg/g	585		0.4	NA	400	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	E1613B	7.97	pg/g	118		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	E1613B	11.3	pg/g	366		0.3	200	200	COC exceeds PTW
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	E1613B	4.69	pg/g	38.5		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	E1613B	6.16	pg/g	11.8	J	0.2	1	10	COC exceeds PTW
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	51.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.848	pg/g	20		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.47	pg/g	6.72	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.56	pg/g	81.4		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.794	pg/g	3.41		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.29	pg/g	1.12		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	0.87	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.392	pg/g	0.392	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.466	pg/g	0.466	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.34	pg/g	0.34	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.636	pg/g	0.636	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	E1613B	0.464	pg/g	0.464	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	9.2		10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	3.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.714	pg/g	6.79		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.248	pg/g	2.23	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.69	pg/g	1.84	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.24	pg/g	0.98	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.76	pg/g	3.18	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.166	pg/g	1.15	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.338	pg/g	1.08	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.392	pg/g	0.392	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	E1613B	0.314	pg/g	0.314	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	10/12/2022	E1613B	0.228	pg/g	0.228	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_TEQ		pg/g	35.6	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	CALC_TEQ		pg/g	22.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	E1613B	2.1	pg/g	15.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.866	pg/g	12.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	E1613B	1.41	pg/g	7.52		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.468	pg/g	4.2		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	E1613B	1.14	pg/g	8.19		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.608	pg/g	5.84		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.541	pg/g	2.01		0.40658	NA	600	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.702	pg/g	1.31		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	E1613B	0.832	pg/g	0.858	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	10/12/2022	E1613B	0.432	pg/g	0.468	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	0.62	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.241	pg/g	0.241	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.359	pg/g	0.359	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.249	pg/g	0.249	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.573	pg/g	0.573	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.365	pg/g	0.365	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	174	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	E1613B	5.57	pg/g	53.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	E1613B	5.71	pg/g	47.8		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	E1613B	3.46	pg/g	35.3		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.63	pg/g	29.5		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.69	pg/g	3.33	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	34.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	E1613B	3.15	pg/g	13.8		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	E1613B	2.12	pg/g	6.5		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	E1613B	1.25	pg/g	7.43	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	E1613B	1.47	pg/g	4.77		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.716	pg/g	0.89	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	1.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.686	pg/g	0.686	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.66	pg/g	0.66	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.632	pg/g	0.632	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.818	pg/g	0.818	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.175	pg/g	0.175	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.818	pg/g	0.818	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.175	pg/g	0.175	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	11.8	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.73	pg/g	6.22	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.2	pg/g	2.35	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.08	pg/g	3.58	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.58	pg/g	2.26	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.416	pg/g	0.416	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	10.6	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	CALC_TEQ		pg/g	7.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	E1613B	1.14	pg/g	6.74		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.496	pg/g	3.46	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	E1613B	1.15	pg/g	1.86	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.646	pg/g	1.5	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.994	pg/g	4.15	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.39	pg/g	2.46	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.224	pg/g	2	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.834	pg/g	0.834	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.343	pg/g	0.343	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.42	pg/g	0.42	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	0.59	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	CALC_TEQ		pg/g	0.55	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.197	pg/g	0.197	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.173	pg/g	0.173	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.249	pg/g	0.249	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.316	pg/g	0.316	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.13	pg/g	0.13	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.151	pg/g	0.151	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.302	pg/g	0.437	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.304	pg/g	0.304	U	0.40658	NA	600	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.423	pg/g	0.423	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.428	pg/g	0.428	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	7.5	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	10/11/2022	CALC_TEQ		pg/g	1.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.24	pg/g	4.89	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.228	pg/g	0.662	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.29	pg/g	1.31	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.232	pg/g	0.472	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.06	pg/g	2.66	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.242	pg/g	0.572	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	E1613B	1.4	pg/g	1.78		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.27	pg/g	0.27	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.483	pg/g	0.483	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.232	pg/g	0.232	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	3.3	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	CALC_TEQ		pg/g	0.92	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	E1613B	1.08	pg/g	1.98	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.612	pg/g	0.612	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	E1613B	1.49	pg/g	1.49	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.31	pg/g	0.314	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	E1613B	1.14	pg/g	1.49	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.264	pg/g	0.264	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.555	pg/g	2.31	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.328	pg/g	0.328	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.198	pg/g	0.198	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.296	pg/g	0.296	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	0.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.423	pg/g	0.423	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.428	pg/g	0.428	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	37.7	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-085-OHW	SIB-085-OHW-1-2-10112022	1	2	10/11/2022	CALC_TEQ		pg/g	9.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.641	pg/g	27.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-085-OHW	SIB-085-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.478	pg/g	4.78	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.41	pg/g	4.98		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-085-OHW	SIB-085-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.28	pg/g	1.79	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.677	pg/g	13.1		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-085-OHW	SIB-085-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.334	pg/g	3.33	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.649	pg/g	3.32		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-085-OHW	SIB-085-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.27	pg/g	1.98	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.352	pg/g	0.39	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-085-OHW	SIB-085-OHW-1-2-10112022	1	2	10/11/2022	E1613B	0.32	pg/g	0.32	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	25	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	CALC_TEQ		pg/g	13.8	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	CALC_TEQ		pg/g	3.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.43	pg/g	13.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.326	pg/g	4.6	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	E1613B	0.276	pg/g	1.38	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.326	pg/g	3.14	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.521	pg/g	2.64	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	E1613B	0.298	pg/g	0.738	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.513	pg/g	7.1		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.496	pg/g	4.91	J	0.3	200	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	E1613B	0.45	pg/g	1.47	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.667	pg/g	3.6		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.527	pg/g	2.18	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	E1613B	0.918	pg/g	1.17		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.366	pg/g	0.567	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	E1613B	0.412	pg/g	0.472	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	E1613B	0.48	pg/g	0.48	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	2.3	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-086-MLW	SIB-086-MLW-1-2-10112022	1	2	10/11/2022	CALC_TEQ		pg/g	14.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.198	pg/g	1.11	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-086-MLW	SIB-086-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.306	pg/g	7.24		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.298	pg/g	0.608	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-086-MLW	SIB-086-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.196	pg/g	3.2	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.183	pg/g	0.649	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-086-MLW	SIB-086-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.266	pg/g	4.54	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.322	pg/g	0.424	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-086-MLW	SIB-086-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.232	pg/g	1.81		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	E1613B	0.32	pg/g	0.32	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-086-MLW	SIB-086-MLW-1-2-10112022	1	2	10/11/2022	E1613B	0.33	pg/g	0.444	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	20.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.573	pg/g	16.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.453	pg/g	2.6		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.549	pg/g	6.65		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.501	pg/g	2.65		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	E1613B	0.461	pg/g	0.461	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_TEQ		pg/g	13.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.514	pg/g	7.8		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.405	pg/g	2.85	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.45	pg/g	4.12	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.81	pg/g	3.07		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	E1613B	0.284	pg/g	0.454	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	0.76	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	0.63	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.247	pg/g	0.247	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.0901	pg/g	0.138	J	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.385	pg/g	0.385	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.224	pg/g	0.27	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.281	pg/g	0.453	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.115	pg/g	0.115	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.373	pg/g	0.373	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.181	pg/g	0.19	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.277	pg/g	0.277	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.314	pg/g	0.314	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	5.1	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-087-OHW	SIB-087-OHW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	1.3	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	CALC_TEQ		pg/g	0.46	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.404	pg/g	3.46	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.17	pg/g	0.599	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	E1613B	0.19	pg/g	0.19	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.382	pg/g	0.989	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-087-OHW	SIB-087-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.316	pg/g	0.318	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	E1613B	0.161	pg/g	0.161	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.469	pg/g	1.61	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.121	pg/g	0.272	J	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	E1613B	0.117	pg/g	0.117	U	0.3	200	200	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.481	pg/g	0.699	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.212	pg/g	0.212	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	E1613B	0.214	pg/g	0.214	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.236	pg/g	0.236	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-087-OHW	SIB-087-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.254	pg/g	0.254	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	10/10/2022	E1613B	0.296	pg/g	0.296	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	9.2	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	13	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	CALC_TEQ		pg/g	14.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.443	pg/g	4.48	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.48	pg/g	6.34		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.446	pg/g	12.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.745	pg/g	1.98	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.641	pg/g	3.09	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.56	pg/g	2.99	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.839	pg/g	5.2		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.464	pg/g	7.43		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.676	pg/g	7.63		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	E1613B	1.47	pg/g	11.4		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.713	pg/g	7.75		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	E1613B	2.16	pg/g	8.05	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.348	pg/g	0.568		0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.458	pg/g	0.833	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.682	pg/g	0.79	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	0.56		10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	0.99	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.209	pg/g	0.233	J	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.294	pg/g	0.629	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.271	pg/g	0.271	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.547	pg/g	0.547	UJ	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.219	pg/g	0.219	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.373	pg/g	0.373	UJ	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.318	pg/g	0.447	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.793	pg/g	0.793	UJ	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.211	pg/g	0.211	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.785	pg/g	0.785	UJ	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	14.5	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	6.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.457	pg/g	10.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.24	pg/g	5.93		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.421	pg/g	2.13	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.57	pg/g	1.42	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.508	pg/g	4.94	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.48	pg/g	2.01	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	E1613B	1.48	pg/g	12.3		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	E1613B	1.03	pg/g	3.5	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.268	pg/g	0.76		0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.458	pg/g	0.596		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	6.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.574	pg/g	2.85	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.634	pg/g	1.36	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.67	pg/g	2.33	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	E1613B	1.81	pg/g	3.72	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.356	pg/g	0.926	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	3.6	J	10	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	1.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.309	pg/g	2.51	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.186	pg/g	0.408	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.341	pg/g	0.361	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.29	pg/g	0.318	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.245	pg/g	1.86	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.184	pg/g	0.93	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.454	pg/g	0.568	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.466	pg/g	0.466	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.261	pg/g	0.261	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.352	pg/g	0.352	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	33.4	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	20.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.639	pg/g	37.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.386	pg/g	12.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.419	pg/g	3.96	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.23	pg/g	4.4	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.637	pg/g	8.66		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.62	pg/g	5.46		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	E1613B	1.77	pg/g	4.23		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.818	pg/g	4.39	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.562	pg/g	2.41		0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.536	pg/g	2.01		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	7.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.65	pg/g	2.09	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.572	pg/g	1.34	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.461	pg/g	1.75	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.668	pg/g	1.56		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.297	pg/g	0.529		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	1.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	1.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.179	pg/g	0.547	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.226	pg/g	0.4	J	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.301	pg/g	0.301	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.288	pg/g	0.288	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.186	pg/g	0.775	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.13	pg/g	0.879	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.519	pg/g	0.519	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.362	pg/g	0.362	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.23	pg/g	0.23	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.348	pg/g	0.348	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	56.1	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	18.8	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.663	pg/g	83.8		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.685	pg/g	10.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.32	pg/g	8.25	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	E1613B	1.15	pg/g	3.44	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.466	pg/g	18.2		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.77	pg/g	5.92		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	E1613B	1.38	pg/g	8.14		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.969	pg/g	4.4		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.322	pg/g	2.2		0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	E1613B	0.842	pg/g	1.1	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	10.1	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	6.2	J	10	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.551	pg/g	5.38		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.113	pg/g	3.44	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.608	pg/g	2.11	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.107	pg/g	0.962	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.72	pg/g	3.67	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.542	pg/g	3.1	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	E1613B	1.5	pg/g	2.92	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.95	pg/g	2.25		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.429	pg/g	0.807		0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.0872	pg/g	0.353	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	0.51	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.162	pg/g	0.162	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.164	pg/g	0.164	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.205	pg/g	0.221	J	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.19	pg/g	0.374	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.151	pg/g	0.167	J	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	15.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.462	pg/g	7.67		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.562	pg/g	2.11	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.862	pg/g	5.2		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	E1613B	1.37	pg/g	1.73		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.617	pg/g	1.57	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	9.6	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	10.1	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	CALC_TEQ		pg/g	9.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.373	pg/g	4.68	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.395	pg/g	4.7	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.499	pg/g	3.38	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.393	pg/g	1.51	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.605	pg/g	1.67	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.521	pg/g	1.14	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.536	pg/g	2.79	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.762	pg/g	3.45	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.939	pg/g	2.08	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	E1613B	1.02	pg/g	2.11		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.948	pg/g	2.99		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.781	pg/g	1.4	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.397	pg/g	0.518	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.607	pg/g	0.639	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	10/10/2022	E1613B	0.687	pg/g	1.72	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	1.8	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	1.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.231	pg/g	0.231	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.139	pg/g	0.139	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.249	pg/g	0.249	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.181	pg/g	0.277	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.293	pg/g	1.02	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.206	pg/g	1.38	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.217	pg/g	0.41	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.471	pg/g	0.471	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	E1613B	0.167	pg/g	0.167	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	10/10/2022	E1613B	0.12	pg/g	0.12	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.321	pg/g	9.21		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.369	pg/g	1.12	J	0.2	2.5	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.697	pg/g	2.36	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.488	pg/g	1.07		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	E1613B	0.224	pg/g	0.224	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_TEQ		pg/g	34.4	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	CALC_TEQ		pg/g	14.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.244	pg/g	21.2		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.163	pg/g	10.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.44	pg/g	3.05	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.292	pg/g	1.78	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.319	pg/g	6.17		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	E1613B	1.5	pg/g	4.83	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	E1613B	2.82	pg/g	7.27		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.736	pg/g	3.06		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	E1613B	0.153	pg/g	19.6		0.2	1	10	COC exceeds PTW
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	E1613B	0.101	pg/g	4.21		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	0.29	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.111	pg/g	0.111	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.132	pg/g	0.132	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.119	pg/g	0.119	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.127	pg/g	0.231	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.106	pg/g	0.106	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	12.2	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	14.1	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	CALC_TEQ		pg/g	15.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.532	pg/g	13.2		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	E1613B	1.12	pg/g	12.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	E1613B	1.71	pg/g	13.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.695	pg/g	1.32	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.761	pg/g	1.81	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	E1613B	1.25	pg/g	1.63	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.21	pg/g	6.03		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	E1613B	1.61	pg/g	8.83		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	E1613B	2.21	pg/g	10.7	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	E1613B	2.37	pg/g	2.37	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.54	pg/g	1.46		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	E1613B	0.589	pg/g	1.89		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.224	pg/g	1.4	J	0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.49	pg/g	0.49	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	10/7/2022	E1613B	0.31	pg/g	0.587		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	10	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	8.6	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	CALC_TEQ		pg/g	7.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.299	pg/g	12.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.621	pg/g	7.26		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.776	pg/g	4.39	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.295	pg/g	2.06	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	E1613B	1.08	pg/g	1.08	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	E1613B	1.35	pg/g	1.35	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.323	pg/g	4.25	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	E1613B	1.3	pg/g	5.07		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.893	pg/g	4.33	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	E1613B	1.7	pg/g	1.97		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.787	pg/g	1.72		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.587	pg/g	1.23	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.185	pg/g	0.388	J	0.2	1	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.458	pg/g	0.458	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.249	pg/g	0.386	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	0.26	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.0819	pg/g	0.0819	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.12	pg/g	0.12	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.11	pg/g	0.11	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.133	pg/g	0.299	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.114	pg/g	0.114	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	12	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.397	pg/g	18.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.403	pg/g	1.51	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.245	pg/g	5.02		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	E1613B	1.24	pg/g	1.7	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.223	pg/g	0.452	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	55	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	10.2	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_TEQ		pg/g	7.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.407	pg/g	60.8		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.402	pg/g	9.36		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.543	pg/g	5.84		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.249	pg/g	6.22	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.745	pg/g	1.44	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.884	pg/g	1.25	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.335	pg/g	24.9		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	E1613B	1.14	pg/g	3.86	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	E1613B	1.12	pg/g	4.76	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	E1613B	2.97	pg/g	8.27		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.563	pg/g	1.68		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.784	pg/g	1.3		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.137	pg/g	1.08		0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.554	pg/g	0.617	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.512	pg/g	0.512	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	2.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.278	pg/g	0.278	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.45	pg/g	0.45	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.276	pg/g	2.96	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.335	pg/g	0.79	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.202	pg/g	0.202	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	4.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.312	pg/g	6.23		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.341	pg/g	0.466	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.393	pg/g	2.07	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.975	pg/g	1.13		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.207	pg/g	0.207	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	7.1		10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	7.6	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	CALC_TEQ		pg/g	4.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.261	pg/g	10.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.483	pg/g	6.78		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	E1613B	1.37	pg/g	6.17		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.309	pg/g	0.927	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	E1613B	1.09	pg/g	1.09	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.746	pg/g	0.746	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.284	pg/g	3.59	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.781	pg/g	5.25		0.3	200	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	E1613B	1.25	pg/g	2.14	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.862	pg/g	1.845	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.663	pg/g	1.31		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.637	pg/g	1.11	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.202	pg/g	0.279	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.373	pg/g	0.373	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.433	pg/g	0.433	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	0.48	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.171	pg/g	0.171	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.327	pg/g	0.327	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.224	pg/g	0.224	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.315	pg/g	0.315	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.254	pg/g	0.254	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	121	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	23.6	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	E1613B	3.16	pg/g	41.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.469	pg/g	9.06		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	E1613B	3.28	pg/g	14.3		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.445	pg/g	2.37	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	E1613B	4.4	pg/g	23.2	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.882	pg/g	5.8	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	E1613B	4.1	pg/g	6.91		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.515	pg/g	1.73		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	E1613B	1.73	pg/g	1.73	U	0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.383	pg/g	0.383	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	4.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.481	pg/g	3	J	0.4	NA	400	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	4.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.481	pg/g	3	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.475	pg/g	0.821	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.749	pg/g	1.52	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1613B	1.66	pg/g	1.66	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.336	pg/g	0.336	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	1.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.155	pg/g	1.23	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.196	pg/g	0.33	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.193	pg/g	1.07	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.219	pg/g	0.558	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.162	pg/g	0.162	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	12.8	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	7.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.265	pg/g	8.63		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.666	pg/g	5	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.24	pg/g	1.59	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.905	pg/g	0.905	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.319	pg/g	4.08	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.664	pg/g	2.45	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	E1613B	1.16	pg/g	4.63	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.886	pg/g	1.23		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.236	pg/g	0.445	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.573	pg/g	0.573	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	10.3	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	18.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.331	pg/g	9.71		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.739	pg/g	15.6	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.245	pg/g	1.48	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.739	pg/g	1.92	J	0.2	2.5	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.263	pg/g	2.9	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.779	pg/g	4.35	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	E1613B	1.63	pg/g	2.11		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.411	pg/g	2.45	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.231	pg/g	0.231	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.461	pg/g	0.461	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.304	pg/g	1.17	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.415	pg/g	0.415	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.395	pg/g	1.21	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.626	pg/g	0.626	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.358	pg/g	0.358	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	10.2	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	6.5	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	CALC_TEQ		pg/g	1.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.403	pg/g	3.45	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.321	pg/g	2.91	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	E1613B	0.438	pg/g	0.438	UJ	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.335	pg/g	2.13	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.616	pg/g	1.15	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	E1613B	0.415	pg/g	0.415	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.491	pg/g	4.65	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.63	pg/g	5.75		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	E1613B	0.452	pg/g	1.14	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	E1613B	1.23	pg/g	1.23	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.85	pg/g	0.85	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	E1613B	0.485	pg/g	0.485	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.361	pg/g	0.515		0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.33	pg/g	0.33	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	E1613B	0.466	pg/g	0.466	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	5.9	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	CALC_TEQ		pg/g	5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.383	pg/g	4.23	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.359	pg/g	3.1	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.196	pg/g	3.18	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.477	pg/g	1.06	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.562	pg/g	0.562	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.362	pg/g	0.695	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.405	pg/g	2.68	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.53	pg/g	1.94	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.476	pg/g	2.9	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	E1613B	1.56	pg/g	2.39	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.725	pg/g	0.725	UJ	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.468	pg/g	0.468	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.387	pg/g	0.387	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.455	pg/g	0.455	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.207	pg/g	0.207	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	1.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.192	pg/g	0.192	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.224	pg/g	0.391	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.246	pg/g	0.362	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.214	pg/g	0.214	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	E1613B	0.146	pg/g	0.146	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	17.9	J	10	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	6.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.207	pg/g	3.99	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.167	pg/g	1.39	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.304	pg/g	4.39		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.163	pg/g	1.74	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.31	pg/g	1.49	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.211	pg/g	0.549	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.259	pg/g	0.259	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.217	pg/g	0.217	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	E1613B	0.151	pg/g	0.826		0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	10/7/2022	E1613B	0.143	pg/g	0.328	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_TEQ		pg/g	3.7	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	10/7/2022	CALC_TEQ		pg/g	1.7	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	CALC_TEQ		pg/g	4.2	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.153	pg/g	2.43	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.142	pg/g	1.33	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.212	pg/g	2	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.158	pg/g	0.716	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.253	pg/g	0.374	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.259	pg/g	0.469	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.469	pg/g	1.17	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.241	pg/g	0.879	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.261	pg/g	6.22		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.215	pg/g	0.916	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.334	pg/g	0.334	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.408	pg/g	0.408	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	E1613B	0.106	pg/g	0.215	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	10/7/2022	E1613B	0.175	pg/g	0.175	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	E1613B	0.155	pg/g	0.155	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	0.99	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.222	pg/g	0.222	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.292	pg/g	0.292	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.228	pg/g	0.627	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.248	pg/g	0.248	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.218	pg/g	0.218	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	22.4	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	CALC_TEQ		pg/g	1.5	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	CALC_TEQ		pg/g	0.33	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.207	pg/g	4.87	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.0819	pg/g	0.0819	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.0791	pg/g	0.0791	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.167	pg/g	1.16	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.155	pg/g	0.155	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.126	pg/g	0.126	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.296	pg/g	50.7		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.126	pg/g	2.73	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.0875	pg/g	0.401	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.974	pg/g	1.23		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.199	pg/g	0.199	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.168	pg/g	0.168	UJ	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.113	pg/g	0.113	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.128	pg/g	0.128	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.115	pg/g	0.115	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	2.3	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	10/6/2022	CALC_TEQ		pg/g	1.9	J	10	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	CALC_TEQ		pg/g	1.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.174	pg/g	2.33	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.156	pg/g	1.63	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.136	pg/g	1.63	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.173	pg/g	0.595	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.157	pg/g	0.495	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.209	pg/g	0.442	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.174	pg/g	0.489	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.281	pg/g	0.281	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.235	pg/g	0.43	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.177	pg/g	0.177	UJ	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.289	pg/g	0.289	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.291	pg/g	0.291	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.13	pg/g	0.13	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.147	pg/g	0.147	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.169	pg/g	0.169	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	3.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.51	pg/g	1.84	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.262	pg/g	0.584	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.348	pg/g	1.26	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.314	pg/g	0.314	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.234	pg/g	0.234	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	0.55	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.152	pg/g	0.152	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.228	pg/g	0.228	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.182	pg/g	0.182	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.252	pg/g	0.252	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.206	pg/g	0.206	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	6.9	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	CALC_TEQ		pg/g	1.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.267	pg/g	9.26		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.074	pg/g	1.65	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.239	pg/g	1.54	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.109	pg/g	0.29	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.207	pg/g	1.64	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.212	pg/g	0.494	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	E1613B	1.24	pg/g	1.24	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.191	pg/g	0.191	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.235	pg/g	0.235	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.0951	pg/g	0.0951	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	1.3	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	CALC_TEQ		pg/g	0.28	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.13	pg/g	0.13	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	E1613B	0.0384	pg/g	0.0384	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.156	pg/g	0.185	J	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	E1613B	0.109	pg/g	0.133	J	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.169	pg/g	0.705	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	E1613B	0.0614	pg/g	0.0614	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.203	pg/g	0.203	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	E1613B	0.0992	pg/g	0.0992	UJ	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.17	pg/g	0.17	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	E1613B	0.0916	pg/g	0.0916	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	1.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-102-OHW	SIB-102-OHW-1-2-10062022	1	2	10/6/2022	CALC_TEQ		pg/g	0.23	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-102-OHW	SIB-102-OHW-2-3-10062022	2	3	10/6/2022	CALC_TEQ		pg/g	0.2	J	10	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.12	pg/g	0.696	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.0708	pg/g	0.0708	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.0481	pg/g	0.0481	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.162	pg/g	0.343	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-102-OHW	SIB-102-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.103	pg/g	0.103	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-102-OHW	SIB-102-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.113	pg/g	0.113	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.162	pg/g	0.309	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.09	pg/g	0.116	J	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.0884	pg/g	0.0884	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.152	pg/g	0.152	UJ	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.168	pg/g	0.168	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-102-OHW	SIB-102-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.124	pg/g	0.124	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.114	pg/g	0.201	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-102-OHW	SIB-102-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.113	pg/g	0.113	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-102-OHW	SIB-102-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.105	pg/g	0.105	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	2		10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	CALC_TEQ		pg/g	1.7	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	CALC_TEQ		pg/g	1.7	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.234	pg/g	1.934	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.117	pg/g	1.57	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.115	pg/g	2.55	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.264	pg/g	0.264	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.152	pg/g	0.2	J	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.166	pg/g	0.171	J	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.585	pg/g	1.05	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.193	pg/g	0.98	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.31	pg/g	0.955	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.626	pg/g	0.95	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.208	pg/g	0.208	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.232	pg/g	0.232	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.149	pg/g	0.149	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.0865	pg/g	0.0865	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	E1613B	0.106	pg/g	0.106	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	1.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.149	pg/g	0.905	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.283	pg/g	0.283	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.151	pg/g	0.344	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.164	pg/g	0.164	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.127	pg/g	0.127	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	1	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-103-OHW	SIB-103-OHW-1-2-10062022	1	2	10/6/2022	CALC_TEQ		pg/g	0.37	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	CALC_TEQ		pg/g	0.74	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.134	pg/g	0.776	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.045	pg/g	0.045	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.357	pg/g	0.357	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.149	pg/g	0.149	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-103-OHW	SIB-103-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.0857	pg/g	0.166	J	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.455	pg/g	0.455	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.195	pg/g	0.195	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.0847	pg/g	0.132	J	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.396	pg/g	0.396	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.123	pg/g	0.123	UJ	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.107	pg/g	0.107	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.489	pg/g	0.489	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.129	pg/g	0.461	J	0.2	1	10	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-103-OHW	SIB-103-OHW-1-2-10062022	1	2	10/6/2022	E1613B	0.0785	pg/g	0.0785	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	10/6/2022	E1613B	0.418	pg/g	0.418	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	4.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.2	pg/g	2.47	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.224	pg/g	0.723	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.196	pg/g	3.68	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.517	pg/g	1.64		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.186	pg/g	0.186	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	1.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.121	pg/g	1.45	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.177	pg/g	0.436	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.267	pg/g	0.479	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.15	pg/g	0.15	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	E1613B	0.114	pg/g	0.206	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	3.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.147	pg/g	4.76	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.122	pg/g	0.67	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.366	pg/g	0.923	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.183	pg/g	0.183	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	E1613B	0.103	pg/g	0.173	J	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_TEQ		pg/g	2.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	CALC_TEQ		pg/g	6.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.133	pg/g	0.991	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.112	pg/g	0.867	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.162	pg/g	0.481	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.611	pg/g	0.887	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.193	pg/g	1.91	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.202	pg/g	9.25		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.21	pg/g	0.21	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.468	pg/g	0.468	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	E1613B	0.117	pg/g	0.136	J	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	E1613B	0.329	pg/g	1.81	J	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	3.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.221	pg/g	3.01	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.239	pg/g	0.767	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.283	pg/g	0.791	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.233	pg/g	0.329	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.203	pg/g	0.203	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	8.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.313	pg/g	1.65	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.345	pg/g	1.26	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.412	pg/g	12		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.267	pg/g	1.07		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.45	pg/g	0.781	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	3.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.591	pg/g	3.38	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.474	pg/g	0.613	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.5	pg/g	0.918	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.46	pg/g	0.75	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.39	pg/g	0.39	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	17.3	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	CALC_TEQ		pg/g	6.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.508	pg/g	2.78	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.102	pg/g	1.14	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.338	pg/g	3.17		0.2	2.5	10	COC Exceeds RAL/PQL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.093	pg/g	0.883	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.454	pg/g	10.9		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.212	pg/g	11.9		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.318	pg/g	0.746	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.18	pg/g	0.18	UJ	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.208	pg/g	0.488	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.138	pg/g	0.138	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	10.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.55	pg/g	4.7	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.454	pg/g	1.59	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.283	pg/g	2.63	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.606	pg/g	0.907	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.281	pg/g	0.363	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	15.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.216	pg/g	3.37	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.606	pg/g	2.57	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.335	pg/g	2.75	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.622	pg/g	0.925	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.315	pg/g	0.543	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	1.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.138	pg/g	1.18	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.185	pg/g	0.385	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.173	pg/g	0.612	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.188	pg/g	0.417	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.152	pg/g	0.152	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	21.3	JA	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1613B	1.45	pg/g	1.45	U	0.4	NA	400	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	21.3	JA	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1613B	1.45	pg/g	1.45	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1613B	1.67	pg/g	5.22	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1613B	1.71	pg/g	3.07	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1613B	1.71	pg/g	2.48	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	E1613B	0.93	pg/g	0.93	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	26.6	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.165	pg/g	5.57		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.147	pg/g	5.39		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.169	pg/g	3.69	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	E1613B	1.68	pg/g	2.42		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.145	pg/g	0.79		0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	0.48	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-110-MLW	SIB-110-MLW-1-2-10052022	1	2	10/5/2022	CALC_TEQ		pg/g	0.27	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	E1613B	0.121	pg/g	0.121	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-110-MLW	SIB-110-MLW-1-2-10052022	1	2	10/5/2022	E1613B	0.0332	pg/g	0.0332	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	E1613B	0.135	pg/g	0.135	U	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-110-MLW	SIB-110-MLW-1-2-10052022	1	2	10/5/2022	E1613B	0.0743	pg/g	0.126	J	0.2	2.5	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	E1613B	0.163	pg/g	0.471	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-110-MLW	SIB-110-MLW-1-2-10052022	1	2	10/5/2022	E1613B	0.0504	pg/g	0.0719	J	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	E1613B	0.0905	pg/g	0.161	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-110-MLW	SIB-110-MLW-1-2-10052022	1	2	10/5/2022	E1613B	0.104	pg/g	0.104	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	E1613B	0.113	pg/g	0.113	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-110-MLW	SIB-110-MLW-1-2-10052022	1	2	10/5/2022	E1613B	0.0819	pg/g	0.0819	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	1.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.284	pg/g	0.284	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.173	pg/g	0.288	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.201	pg/g	0.455	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.238	pg/g	0.294	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.163	pg/g	0.163	U	0.2	1	10	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	45.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.354	pg/g	8.41		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.243	pg/g	6.44		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.247	pg/g	4.56	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.223	pg/g	0.631	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.188	pg/g	0.466	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_TEQ		pg/g	2.1		10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	CALC_TEQ		pg/g	0.52	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	CALC_TEQ		pg/g	0.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	E1613B	0.207	pg/g	1.16	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	E1613B	0.0882	pg/g	0.0882	UJ	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	E1613B	0.162	pg/g	0.162	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	E1613B	0.186	pg/g	0.329	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	E1613B	0.236	pg/g	0.236	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	E1613B	0.252	pg/g	0.252	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	E1613B	0.177	pg/g	0.892	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	E1613B	0.104	pg/g	0.228	J	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	E1613B	0.188	pg/g	0.188	U	0.3	200	200	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	E1613B	0.149	pg/g	0.149	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	E1613B	0.24	pg/g	0.286	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	E1613B	0.308	pg/g	0.326	J	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	E1613B	0.136	pg/g	0.136	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	10/4/2022	E1613B	0.226	pg/g	0.226	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	10/4/2022	E1613B	0.368	pg/g	0.368	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_TEQ		pg/g	13.2	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.466	pg/g	13.1		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.564	pg/g	2.09	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.655	pg/g	2.99	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.777	pg/g	0.777	UJ	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.305	pg/g	0.305	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_TEQ		pg/g	4.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	CALC_TEQ		pg/g	4.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	CALC_TEQ		pg/g	3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.297	pg/g	4.59	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.401	pg/g	4.32	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	E1613B	0.467	pg/g	1.71	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.289	pg/g	0.878	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.485	pg/g	0.924	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	E1613B	0.513	pg/g	0.513	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.583	pg/g	0.583	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.419	pg/g	1.37	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	E1613B	0.471	pg/g	0.627	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.54	pg/g	0.54	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.621	pg/g	0.858	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	E1613B	0.497	pg/g	0.497	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	E1613B	0.223	pg/g	0.223	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	10/5/2022	E1613B	0.429	pg/g	0.429	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	10/5/2022	E1613B	0.451	pg/g	0.451	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		pg/g	15.3	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	CALC_TEQ		pg/g	66.8	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.434	pg/g	7.22		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.59	pg/g	17.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.304	pg/g	3.64		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.81	pg/g	27.4		0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.281	pg/g	2.6	J	0.3	200	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.57	pg/g	6.68	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.33	pg/g	0.33	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	E1613B	1.07	pg/g	1.7	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.199	pg/g	0.199	U	0.2	1	10	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.516	pg/g	1.11		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC TEQ		pg/g	40.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.347	pg/g	34		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.223	pg/g	5.39	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.267	pg/g	8.49		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	E1613B	1.57	pg/g	3.25	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.136	pg/g	1.09		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC TEQ		pg/g	7.1	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	CALC TEQ		pg/g	5.8	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	CALC TEQ		pg/g	4.4	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.1	pg/g	2.52	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.265	pg/g	2.72	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	E1613B	0.571	pg/g	2.37	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.117	pg/g	1.52	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.257	pg/g	1.16	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	E1613B	0.374	pg/g	0.901	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.141	pg/g	1.06	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.433	pg/g	0.985	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	E1613B	0.352	pg/g	1.01	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.502	pg/g	1.49	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.734	pg/g	0.734	UJ	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	E1613B	0.55	pg/g	0.873	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.108	pg/g	0.261	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.215	pg/g	0.215	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	E1613B	0.416	pg/g	0.416	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC TEQ		pg/g	42.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.378	pg/g	15.9		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.344	pg/g	6.94		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.384	pg/g	4.13	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	E1613B	1.9	pg/g	2.31		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	E1613B	0.225	pg/g	1.36		0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC TEQ		pg/g	11.6	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	CALC TEQ		pg/g	6.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.292	pg/g	4.46	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.348	pg/g	2.31	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.276	pg/g	2.36	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.224	pg/g	1.54	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.793	pg/g	2.11	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.374	pg/g	1.09	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.738	pg/g	0.738	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.767	pg/g	1.47	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.154	pg/g	0.339	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.298	pg/g	0.298	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC TEQ		pg/g	14.4	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	CALC TEQ		pg/g	11.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.319	pg/g	4.43	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.222	pg/g	3.48	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.383	pg/g	2.71		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.328	pg/g	2.6	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.738	pg/g	1.55	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.421	pg/g	1.08	J	0.3	200	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.803	pg/g	1.42		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.991	pg/g	1.05	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.276	pg/g	0.519	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.35	pg/g	0.35	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		pg/g	48.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	E1613B	1.16	pg/g	12	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	E1613B	1.25	pg/g	4.21	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	E1613B	1.32	pg/g	5.19	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	E1613B	1.31	pg/g	1.31	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	E1613B	0.625	pg/g	0.625	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		pg/g	53.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	E1613B	2.52	pg/g	20.5	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.96	pg/g	6.41	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.97	pg/g	6.82	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	E1613B	3.62	pg/g	3.62	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.29	pg/g	1.29	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		pg/g	11.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.26	pg/g	3.45	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.26	pg/g	2.13	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.28	pg/g	2.24	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.375	pg/g	1.85	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.177	pg/g	0.359	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		pg/g	26.4	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	E1613B	0.4	pg/g	7.06		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	E1613B	0.307	pg/g	1.97	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	E1613B	0.312	pg/g	2.52	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.1	pg/g	1.51		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	E1613B	0.203	pg/g	0.466	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		pg/g	40.6	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-118-TOB	SIB-118-TOB-1-2-10042022	1	2	10/4/2022	CALC_TEQ		pg/g	45.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	E1613B	1.23	pg/g	18.5	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-118-TOB	SIB-118-TOB-1-2-10042022	1	2	10/4/2022	E1613B	1.02	pg/g	17.5	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.911	pg/g	4.69	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-118-TOB	SIB-118-TOB-1-2-10042022	1	2	10/4/2022	E1613B	1.59	pg/g	5.02	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	E1613B	1.56	pg/g	4.11	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-118-TOB	SIB-118-TOB-1-2-10042022	1	2	10/4/2022	E1613B	1.3	pg/g	4.14	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	E1613B	1.06	pg/g	1.06	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-118-TOB	SIB-118-TOB-1-2-10042022	1	2	10/4/2022	E1613B	2.04	pg/g	2.04	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.589	pg/g	1.04	J	0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-118-TOB	SIB-118-TOB-1-2-10042022	1	2	10/4/2022	E1613B	1.28	pg/g	1.28	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		pg/g	82.7	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	CALC_TEQ		pg/g	19	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.78	pg/g	75.2		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.37	pg/g	16.5		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.66	pg/g	7.27	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.478	pg/g	1.91	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.68	pg/g	13.2	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.728	pg/g	3.34	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	E1613B	0.299	pg/g	0.299	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	E1613B	1.62	pg/g	2.26	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	E1613B	0.836	pg/g	0.836	U	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.378	pg/g	0.378	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_TEQ		pg/g	4.4	J	10	NA	NA	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	CALC_TEQ		pg/g	4.6	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.186	pg/g	1.99	J	0.4	NA	400	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.355	pg/g	2.33	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.33	pg/g	1.18	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.218	pg/g	1.17	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.302	pg/g	0.75	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.281	pg/g	0.962	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.308	pg/g	0.308	U	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.651	pg/g	1.18	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	E1613B	0.181	pg/g	0.237	J	0.2	1	10	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	E1613B	0.311	pg/g	0.311	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		pg/g	0.98	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	E1613B	0.259	pg/g	0.85	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	E1613B	0.299	pg/g	0.299	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	E1613B	0.372	pg/g	0.372	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	E1613B	0.257	pg/g	0.257	UJ	0.40658	NA	600	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	E1613B	0.184	pg/g	0.184	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_TEQ		pg/g	148	J	10	NA	NA	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	CALC_TEQ		pg/g	53.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	E1613B	2.12	pg/g	300		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.718	pg/g	111		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	E1613B	0.884	pg/g	10.6	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.307	pg/g	4.37		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.62	pg/g	41.9		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.221	pg/g	14.3		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	E1613B	1.42	pg/g	1.42	UJ	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.866	pg/g	1.97		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	E1613B	0.68	pg/g	1.18	J	0.2	1	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	10/3/2022	E1613B	0.295	pg/g	0.469	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_TEQ		pg/g	6.5	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	E1613B	0.321	pg/g	18.1		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	E1613B	0.268	pg/g	0.952	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	E1613B	0.226	pg/g	1.4	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	E1613B	0.978	pg/g	1.52	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	E1613B	0.178	pg/g	0.28	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	0.97		10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.292	pg/g	0.292	U	0.4	NA	400	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.369	pg/g	0.369	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.302	pg/g	0.302	U	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.655	pg/g	0.655	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.226	pg/g	0.226	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	19.3	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.787	pg/g	12.4		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	E1613B	1.08	pg/g	2.87	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	E1613B	1.12	pg/g	3.49	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.881	pg/g	3.13		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.248	pg/g	0.668	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	5.9	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.204	pg/g	5.395	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.276	pg/g	1.65	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.669	pg/g	1.041	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	E1613B	1.06	pg/g	3.96	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.195	pg/g	0.304	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	5.1		10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.266	pg/g	1.535	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.292	pg/g	1.0375	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.238	pg/g	0.8685	J	0.3	200	200	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.336	pg/g	0.673	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.186	pg/g	0.186	U	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	24.1	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.47	pg/g	15.7		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.416	pg/g	4.35		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.656	pg/g	2.85	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.906	pg/g	2.37		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.23	pg/g	0.496	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	3.3	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.236	pg/g	1.93	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.42	pg/g	1.29	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.342	pg/g	0.502	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.458	pg/g	0.782	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.222	pg/g	0.222	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	40.5	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	E1613B	1.25	pg/g	8.35		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	E1613B	1.35	pg/g	8.96		0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	E1613B	1.5	pg/g	4.35	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.129	pg/g	3.34	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.638	pg/g	0.638	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	12.5		10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.656	pg/g	5.185	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1613B	1.14	pg/g	2.585	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.794	pg/g	1.925	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.181	pg/g	2.02	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.346	pg/g	0.379	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	8.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.346	pg/g	0.379	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	8.8	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	E1613B	1.2	pg/g	7.33	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	E1613B	1.42	pg/g	1.42	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	E1613B	1.49	pg/g	2.8	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.165	pg/g	0.646	J	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.29	pg/g	0.29	U	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	75.7	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	E1613B	7.48	pg/g	15.6	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	E1613B	5.9	pg/g	12.4	J	0.2	2.5	10	COC exceeds PTW
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	E1613B	5.86	pg/g	8.49	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	E1613B	7.1	pg/g	7.1	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	E1613B	1.54	pg/g	1.54	U	0.2	1	10	COC Exceeds RAL/PQL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	147	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	E1613B	6.84	pg/g	17.2	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	E1613B	6.2	pg/g	6.2	U	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	E1613B	6.38	pg/g	7.83	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	E1613B	8.04	pg/g	8.04	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	E1613B	12.5	pg/g	12.5	U	0.2	1	10	COC exceeds PTW
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	1.9		10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.512	pg/g	0.512	U	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.528	pg/g	0.528	U	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.36	pg/g	0.384	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.812	pg/g	0.812	U	0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	E1613B	0.168	pg/g	0.178	J	0.2	1	10	No Exceedances for Detected COC
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	60	J	10	NA	NA	COC Exceeds CUL
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	E1613B	3.06	pg/g	56.3		0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	E1613B	1.67	pg/g	4.84	J	0.2	2.5	10	COC Exceeds RAL/PQL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	E1613B	3.04	pg/g	11		0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.302	pg/g	3.38	J	0.40658	NA	600	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	E1613B	0.378	pg/g	0.744	J	0.2	1	10	COC Exceeds CUL
Calculated	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_TEQ		pg/g	8.1	J	10	NA	NA	No Exceedances for Detected COC
PCDD/PCDFs	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.534	pg/g	4.395	J	0.4	NA	400	COC Exceeds CUL
PCDD/PCDFs	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.754	pg/g	1.56	J	0.2	2.5	10	COC Exceeds CUL
PCDD/PCDFs	2,3,4,7,8-PENTACHLORODIBENZOFURAN	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.867	pg/g	1.52	J	0.3	200	200	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZOFURAN	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.494	pg/g	3.235		0.40658	NA	600	COC Exceeds CUL
PCDD/PCDFs	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	E1613B	0.165	pg/g	0.165	U	0.2	1	10	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	9.5	µg/kg	90	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	9.3	µg/kg	880		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	47	µg/kg	3,000		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	46	µg/kg	1,900	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	9.2	µg/kg	200		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	9.3	µg/kg	950	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	9.3	µg/kg	73	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	47	µg/kg	1,300	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	SW8270D	11	µg/kg	11	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	9.7	µg/kg	550	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	91	µg/kg	3,400		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	SW8270D	13	µg/kg	13	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	9.3	µg/kg	9.3	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	9.6	µg/kg	280		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	9.9	µg/kg	930	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	57	µg/kg	2,900	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	11	µg/kg	360		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	12	µg/kg	740		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	SW8270D	11	µg/kg	800		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	11	µg/kg	550		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	9.4	µg/kg	710		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	11	µg/kg	250	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	11	µg/kg	360		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	9.6	µg/kg	480	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	9.7	µg/kg	9.7	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	SW8270D	92	µg/kg	2,700	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	SW8270D	9.1	µg/kg	860	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	SW8270D	12	µg/kg	370	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	SW8270D	11	µg/kg	950	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	SW8270D	11	µg/kg	280	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	SW8270D	11	µg/kg	740	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9.2	µg/kg	30	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9.7	µg/kg	39	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9.4	µg/kg	270		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9.2	µg/kg	290		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	10	µg/kg	31	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9.6	µg/kg	140	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9	µg/kg	260	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9	µg/kg	880	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	SW8270D	120	µg/kg	1,400	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	17	µg/kg	310	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	49	µg/kg	640	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	48	µg/kg	410	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9.3	µg/kg	1000	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	SW8270D	110	µg/kg	1,400	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	10	µg/kg	740	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9.8	µg/kg	840	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	SW8270D	12	µg/kg	880	J	135	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	11	µg/kg	11	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	SW8270D	110	µg/kg	1,900	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	11	µg/kg	11	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	SW8270D	12	µg/kg	220	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	20	µg/kg	20	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	SW8270D	11	µg/kg	11	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	SW8270D	9.4	µg/kg	9.4	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	SW8270D	12	µg/kg	37	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	9.4	µg/kg	21	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	SW8270D	11	µg/kg	180		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	9.7	µg/kg	9.7	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	SW8270D	13	µg/kg	80	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	11	µg/kg	24	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	10	µg/kg	37	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	SW8270D	48	µg/kg	840		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	51	µg/kg	710	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	SW8270D	48	µg/kg	1,500		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	9.4	µg/kg	240	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	SW8270D	9.4	µg/kg	31	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	10	µg/kg	86	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	SW8270D	9.8	µg/kg	240		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	9.6	µg/kg	43	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	SW8270D	9.2	µg/kg	230		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	SW8270D	11	µg/kg	47	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	SW8270D	9.4	µg/kg	47	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	SW8270D	9.4	µg/kg	96	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	SW8270D	9	µg/kg	29.5	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	SW8270D	9.1	µg/kg	740		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	SW8270D	9.2	µg/kg	40	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	SW8270D	9.3	µg/kg	190		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	SW8270D	9.2	µg/kg	180		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	SW8270D	9.1	µg/kg	95	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	SW8270D	9.4	µg/kg	71	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	SW8270D	9.1	µg/kg	230		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	SW8270D	10	µg/kg	38	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	SW8270D	9.3	µg/kg	62	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	SW8270D	8.9	µg/kg	300		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	SW8270D	8.9	µg/kg	8.9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	SW8270D	9.2	µg/kg	730		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	SW8270D	9.3	µg/kg	9.3	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	SW8270D	8.9	µg/kg	170		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	SW8270D	11	µg/kg	11	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	SW8270D	9.1	µg/kg	9.1	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	SW8270D	8.9	µg/kg	140		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	SW8270D	11	µg/kg	11	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	SW8270D	9.3	µg/kg	9.3	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	SW8270D	9.1	µg/kg	9.1	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	SW8270D	9.1	µg/kg	9.1	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	SW8270D	12	µg/kg	200	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	SW8270D	9.3	µg/kg	140		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	SW8270D	9.3	µg/kg	9.3	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	SW8270D	9.9	µg/kg	9.9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	SW8270D	9.7	µg/kg	9.7	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	SW8270D	12	µg/kg	12	UJ	135	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	SW8270D	9.2	µg/kg	9.2	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	SW8270D	11	µg/kg	11	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	SW8270D	120	µg/kg	120	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	SW8270D	9.1	µg/kg	9.1	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	SW8270D	11	µg/kg	11	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	SW8270D	13	µg/kg	36	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	SW8270D	48	µg/kg	48	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	SW8270D	9.3	µg/kg	9.3	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	SW8270D	9.7	µg/kg	9.7	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	SW8270D	9.2	µg/kg	9.2	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	SW8270D	8.9	µg/kg	8.9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	SW8270D	9.6	µg/kg	9.6	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	SW8270D	9.1	µg/kg	9.1	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	SW8270D	9.1	µg/kg	9.1	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	SW8270D	8.9	µg/kg	8.9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	SW8270D	9	µg/kg	9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	SW8270D	9	µg/kg	9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	SW8270D	9.3	µg/kg	44	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	SW8270D	9.1	µg/kg	14	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	SW8270D	10	µg/kg	23	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	SW8270D	9.5	µg/kg	9.5	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	SW8270D	9.2	µg/kg	9.2	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	SW8270D	9	µg/kg	9.3	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	SW8270D	9.9	µg/kg	91	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	SW8270D	9	µg/kg	27	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	SW8270D	9.1	µg/kg	32	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	SW8270D	12	µg/kg	440		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	SW8270D	9.1	µg/kg	230		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	SW8270D	14	µg/kg	240		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	SW8270D	9.6	µg/kg	68	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	SW8270D	9.4	µg/kg	29	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	SW8270D	12	µg/kg	26	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	SW8270D	9.6	µg/kg	170	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	SW8270D	9.3	µg/kg	22	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	SW8270D	9.4	µg/kg	250		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	SW8270D	9.7	µg/kg	56	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	SW8270D	9.8	µg/kg	9.8	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	SW8270D	13	µg/kg	26	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	SW8270D	9.9	µg/kg	76	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	SW8270D	9.5	µg/kg	90	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	SW8270D	11	µg/kg	21	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	SW8270D	9.3	µg/kg	53	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	SW8270D	9	µg/kg	43	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	SW8270D	11	µg/kg	14	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	SW8270D	9.3	µg/kg	44	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	SW8270D	9	µg/kg	120	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	SW8270D	13	µg/kg	13	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	SW8270D	14	µg/kg	220		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	SW8270D	9.5	µg/kg	9.5	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	SW8270D	9.6	µg/kg	9.6	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	SW8270D	9.3	µg/kg	91	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	SW8270D	13	µg/kg	13	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	10/12/2022	SW8270D	14	µg/kg	27	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	SW8270D	9.4	µg/kg	21	J	135	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	SW8270D	9.8	µg/kg	9.8	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	SW8270D	13	µg/kg	13	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	SW8270D	9.4	µg/kg	9.4	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	SW8270D	9.6	µg/kg	110		135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	SW8270D	12	µg/kg	12	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	SW8270D	13	µg/kg	45	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	SW8270D	9.2	µg/kg	9.2	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	10/12/2022	SW8270D	9.7	µg/kg	9.7	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	SW8270D	9.6	µg/kg	9.6	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	10/12/2022	SW8270D	9.2	µg/kg	59	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	SW8270D	12	µg/kg	12	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	SW8270D	53	µg/kg	1,300	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	SW8270D	9.4	µg/kg	9.4	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	SW8270D	12	µg/kg	12	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	SW8270D	9	µg/kg	25	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	SW8270D	9.5	µg/kg	110	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	SW8270D	13	µg/kg	13	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	SW8270D	94	µg/kg	4,100		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	SW8270D	9.9	µg/kg	200		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	SW8270D	13	µg/kg	13	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	SW8270D	9.5	µg/kg	38	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	SW8270D	9.5	µg/kg	66	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	SW8270D	14	µg/kg	14	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	10/11/2022	SW8270D	15	µg/kg	15	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	SW8270D	9.6	µg/kg	82	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	SW8270D	9	µg/kg	47	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	SW8270D	14	µg/kg	14	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	10/11/2022	SW8270D	14	µg/kg	14	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	SW8270D	9.6	µg/kg	53	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	SW8270D	9.7	µg/kg	100	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	SW8270D	11	µg/kg	53	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	SW8270D	9.5	µg/kg	97	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	SW8270D	9.6	µg/kg	160	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	SW8270D	260	µg/kg	5,700		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	10/10/2022	SW8270D	14	µg/kg	14	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	SW8270D	9.1	µg/kg	23	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	SW8270D	9.3	µg/kg	56	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	SW8270D	16	µg/kg	17	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	SW8270D	17	µg/kg	17	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	SW8270D	200	µg/kg	200	U	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	SW8270D	9.1	µg/kg	200		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	SW8270D	11	µg/kg	49	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	SW8270D	10	µg/kg	150		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	SW8270D	9.8	µg/kg	180		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	SW8270D	11	µg/kg	47	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	SW8270D	13	µg/kg	15	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	SW8270D	54	µg/kg	630		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	SW8270D	9.7	µg/kg	350		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	SW8270D	47	µg/kg	820	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	10/10/2022	SW8270D	9.5	µg/kg	110		135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	SW8270D	13	µg/kg	20	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	SW8270D	9.9	µg/kg	36	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	SW8270D	9.4	µg/kg	130		135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	SW8270D	9.9	µg/kg	68	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	SW8270D	9.7	µg/kg	60	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	SW8270D	9.9	µg/kg	9.9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	SW8270D	9.7	µg/kg	84	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	SW8270D	14	µg/kg	14	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	SW8270D	11	µg/kg	120		135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	SW8270D	110	µg/kg	1,800		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	SW8270D	9.7	µg/kg	350		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	SW8270D	9.8	µg/kg	66	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	SW8270D	9.2	µg/kg	9.2	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	SW8270D	9.4	µg/kg	65.5	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	SW8270D	9.2	µg/kg	9.2	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	SW8270D	9.2	µg/kg	9.2	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	SW8270D	12	µg/kg	12	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	SW8270D	9.4	µg/kg	59	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	SW8270D	47	µg/kg	1,500		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	10/7/2022	SW8270D	9.4	µg/kg	190		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	SW8270D	9.9	µg/kg	9.9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	SW8270D	8.9	µg/kg	8.9	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	10/7/2022	SW8270D	9.2	µg/kg	95	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	10/7/2022	SW8270D	8.9	µg/kg	8.9	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	SW8270D	9.2	µg/kg	9.2	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	SW8270D	9.9	µg/kg	9.9	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	SW8270D	8.9	µg/kg	8.9	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	10/7/2022	SW8270D	9.1	µg/kg	33	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	SW8270D	8.9	µg/kg	8.9	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	10/7/2022	SW8270D	9.1	µg/kg	25	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	10/7/2022	SW8270D	91	µg/kg	91	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	SW8270D	9.1	µg/kg	9.1	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	SW8270D	9.2	µg/kg	34	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	SW8270D	9.2	µg/kg	9.2	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	SW8270D	9.1	µg/kg	9.1	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	10/6/2022	SW8270D	9.3	µg/kg	74	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	10/6/2022	SW8270D	9.1	µg/kg	50	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	SW8270D	9.2	µg/kg	9.2	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-101-OHW	SIB-101-OHW-1-2-10062022	1	2	10/6/2022	SW8270D	9.2	µg/kg	9.2	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-101-OHW	SIB-101-OHW-2-3-10062022	2	3	10/6/2022	SW8270D	9.3	µg/kg	9.3	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	SW8270D	9.2	µg/kg	9.2	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	10/6/2022	SW8270D	9.1	µg/kg	18	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	SW8270D	12	µg/kg	12	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	SW8270D	15	µg/kg	35	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	SW8270D	9	µg/kg	9	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	SW8270D	9.1	µg/kg	20	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	10/6/2022	SW8270D	9.3	µg/kg	30	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	10/6/2022	SW8270D	9.2	µg/kg	11	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	SW8270D	9.4	µg/kg	9.4	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	SW8270D	9.3	µg/kg	9.3	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	SW8270D	9.3	µg/kg	9.3	U	135	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	SW8270D	9.4	µg/kg	9.4	UJ	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	10/6/2022	SW8270D	9.6	µg/kg	34	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	SW8270D	9.4	µg/kg	110		135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	SW8270D	9.5	µg/kg	90	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	SW8270D	9.2	µg/kg	140		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	SW8270D	9.5	µg/kg	23	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	SW8270D	9.4	µg/kg	170		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	SW8270D	98	µg/kg	6,700		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	SW8270D	9.2	µg/kg	74	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	SW8270D	190	µg/kg	190	U	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	SW8270D	52	µg/kg	1,700	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	SW8270D	14	µg/kg	14	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	SW8270D	9.3	µg/kg	57	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	SW8270D	9.2	µg/kg	9.2	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	SW8270D	12	µg/kg	12	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	SW8270D	9.4	µg/kg	100	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	SW8270D	9.5	µg/kg	130	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	SW8270D	9.3	µg/kg	99	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	SW8270D	11	µg/kg	310	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	SW8270D	9.2	µg/kg	480	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	10/4/2022	SW8270D	9.6	µg/kg	130		135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	10/4/2022	SW8270D	9.3	µg/kg	150		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	SW8270D	10	µg/kg	160	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	SW8270D	9.8	µg/kg	190	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	10/4/2022	SW8270D	9.8	µg/kg	110	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	SW8270D	9.5	µg/kg	120	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	SW8270D	11	µg/kg	130	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	SW8270D	9.6	µg/kg	180	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	SW8270D	9.8	µg/kg	200	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	SW8270D	9	µg/kg	110	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	SW8270D	11	µg/kg	100	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	SW8270D	9.6	µg/kg	300	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	10/3/2022	SW8270D	9.4	µg/kg	230		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	SW8270D	9.4	µg/kg	100	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	SW8270D	11	µg/kg	11	U	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	SW8270D	9.8	µg/kg	230	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	SW8270D	9.4	µg/kg	70	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	SW8270D	14	µg/kg	140	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	SW8270D	11	µg/kg	510	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	SW8270D	9.7	µg/kg	5,620	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	SW8270D	12	µg/kg	51	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	SW8270D	9.6	µg/kg	560		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	SW8270D	9.2	µg/kg	87	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	SW8270D	9.4	µg/kg	200		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	SW8270D	9.2	µg/kg	225	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	SW8270D	9.3	µg/kg	200		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	SW8270D	11	µg/kg	30	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	SW8270D	9.4	µg/kg	970		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	SW8270D	100	µg/kg	3,300		135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	SW8270D	13	µg/kg	14	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	SW8270D	9.8	µg/kg	110	J	135	NA	NA	No Exceedances for Detected COC
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	SW8270D	9.2	µg/kg	180	J	135	NA	NA	COC Exceeds CUL
sVOC	BIS(2-ETHYLHEXYL) PHTHALATE	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	SW8270D	9.4	µg/kg	120		135	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
TPH	PHC AS DIESEL FUEL	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.6	mg/kg	2.6	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.3	mg/kg	2.3	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.4	mg/kg	2.4	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	19	mg/kg	19	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	1.9	mg/kg	100		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.4	mg/kg	2.4	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	NWTPH-Dx	22	mg/kg	320		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	23	mg/kg	23	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	19	mg/kg	19	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2	mg/kg	68	J	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	20	mg/kg	130	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	24	mg/kg	24	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	3.3	mg/kg	3.3	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	19	mg/kg	380		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	22	mg/kg	750		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	24	mg/kg	590		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	22	mg/kg	22	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	23	mg/kg	530		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2.2	mg/kg	120		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	2.4	mg/kg	2.4	U	91	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
TPH	PHC AS DIESEL FUEL	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	23	mg/kg	23	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	26	mg/kg	26	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	21	mg/kg	21	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	19	mg/kg	1,300		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	21	mg/kg	21	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	20	mg/kg	20	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	20	mg/kg	20	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	21	mg/kg	21	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	1.9	mg/kg	1.9	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	1.9	mg/kg	1.9	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	1.9	mg/kg	1.9	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	21	mg/kg	21	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	NWTPH-Dx	19	mg/kg	19	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	19	mg/kg	19	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	19	mg/kg	19	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	21	mg/kg	100	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	18	mg/kg	18	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	21	mg/kg	160	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	19	mg/kg	19	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	24	mg/kg	245	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	19	mg/kg	150	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	21	mg/kg	320		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	21	mg/kg	21	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	23	mg/kg	23	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	32	mg/kg	32	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	10/18/2022	NWTPH-Dx	2.6	mg/kg	2.6	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	24	mg/kg	24	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	22	mg/kg	22	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	10/18/2022	NWTPH-Dx	2.5	mg/kg	2.5	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
TPH	PHC AS DIESEL FUEL	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	2.3	mg/kg	2.3	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	NWTPH-Dx	1.8	mg/kg	1.8	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2.4	mg/kg	500		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	1.9	mg/kg	1.9	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2.7	mg/kg	2.7	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2.4	mg/kg	2.4	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2.6	mg/kg	190		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2.3	mg/kg	2.3	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2.6	mg/kg	2.6	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	10/12/2022	NWTPH-Dx	5.6	mg/kg	370		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2.6	mg/kg	2.6	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	210	mg/kg	570	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2.5	mg/kg	2.5	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2.5	mg/kg	2.5	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	10/12/2022	NWTPH-Dx	2.6	mg/kg	2.6	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2.4	mg/kg	2.4	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	NWTPH-Dx	2.3	mg/kg	2.3	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	21	mg/kg	210	J	91	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
TPH	PHC AS DIESEL FUEL	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	20	mg/kg	20	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2.4	mg/kg	2.4	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2.5	mg/kg	2.5	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	200	mg/kg	2,200	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2.6	mg/kg	2.6	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2.9	mg/kg	2.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2.7	mg/kg	2.7	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2.3	mg/kg	2.3	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2.7	mg/kg	2.7	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	3.1	mg/kg	3.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	NWTPH-Dx	3.4	mg/kg	3.4	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	19	mg/kg	19	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2.6	mg/kg	2.6	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	22	mg/kg	630		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	10/10/2022	NWTPH-Dx	2	mg/kg	140		91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2.5	mg/kg	2.5	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	20	mg/kg	20	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2.7	mg/kg	2.7	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	21	mg/kg	21	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2.4	mg/kg	2.4	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
TPH	PHC AS DIESEL FUEL	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	19	mg/kg	19	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	19	mg/kg	19	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	2.5	mg/kg	2.5	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	10/6/2022	NWTPH-Dx	2.9	mg/kg	2.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	2.1	mg/kg	2.1	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	2.2	mg/kg	2.2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	190	mg/kg	190	U	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	21	mg/kg	21	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	190	mg/kg	2,300	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	21	mg/kg	150	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	2.8	mg/kg	2.8	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	1.9	mg/kg	1.9	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2.4	mg/kg	2.4	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	1.9	mg/kg	1.9	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2.1	mg/kg	2.1	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2.1	mg/kg	2.1	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	NWTPH-Dx	2.3	mg/kg	2.3	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	NWTPH-Dx	2.1	mg/kg	2.1	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	NWTPH-Dx	1.9	mg/kg	140	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2.2	mg/kg	2.2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	NWTPH-Dx	2.1	mg/kg	2.1	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2.8	mg/kg	2.8	U	91	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
TPH	PHC AS DIESEL FUEL	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	22	mg/kg	22	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2.1	mg/kg	56	J	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2.3	mg/kg	2.3	U	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2	mg/kg	52	J	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	1.9	mg/kg	1.9	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2	mg/kg	59	J	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2.2	mg/kg	2.2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2	mg/kg	79	J	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2.1	mg/kg	98	J	91	NA	NA	COC Exceeds CUL
TPH	PHC AS DIESEL FUEL	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2.5	mg/kg	2.5	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2	mg/kg	2	UJ	91	NA	NA	No Exceedances for Detected COC
TPH	PHC AS DIESEL FUEL	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	NWTPH-Dx	2	mg/kg	2	U	91	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	0.45	µg/kg	8.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	44	µg/kg	3,100		3,080	NA	NA	COC Exceeds CUL
Tributyltin	Tributyltin Hydride	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	46	µg/kg	12,000		3,080	NA	NA	COC Exceeds CUL
Tributyltin	Tributyltin Hydride	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	44	µg/kg	4,600		3,080	NA	NA	COC Exceeds CUL
Tributyltin	Tributyltin Hydride	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	0.44	µg/kg	92		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	45	µg/kg	1,900		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	4.5	µg/kg	280		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	45	µg/kg	1,400		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	ALS SOP	0.51	µg/kg	1.1	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	4.7	µg/kg	130		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	44	µg/kg	2,000		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	ALS SOP	0.6	µg/kg	21		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	4.6	µg/kg	280		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	0.6	µg/kg	237.05	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	0.48	µg/kg	85		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	55	µg/kg	2,900		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	0.52	µg/kg	170	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	5.7	µg/kg	1,100	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	ALS SOP	0.51	µg/kg	56	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	5.2	µg/kg	570	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	4.6	µg/kg	660	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	5.1	µg/kg	190	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	4.9	µg/kg	320	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	0.47	µg/kg	180	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	0.47	µg/kg	4.4	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	ALS SOP	45	µg/kg	3,800	J	3,080	NA	NA	COC Exceeds CUL
Tributyltin	Tributyltin Hydride	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	ALS SOP	44	µg/kg	900	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	ALS SOP	0.56	µg/kg	110	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	ALS SOP	49	µg/kg	3,300	J	3,080	NA	NA	COC Exceeds CUL
Tributyltin	Tributyltin Hydride	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	ALS SOP	5.2	µg/kg	480	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	ALS SOP	5.4	µg/kg	290	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.44	µg/kg	17		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.47	µg/kg	31	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	4.7	µg/kg	130	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	4.6	µg/kg	200	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.48	µg/kg	10		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	0.43	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	30		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	36		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	12		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	3.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	37		3,080	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Tributyltin	Tributyltin Hydride	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	4.3	µg/kg	67		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	42		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	ALS SOP	4.3	µg/kg	230		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	46		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	4.3	µg/kg	130		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	72		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	0.43	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	3.4		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	0.94	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	0.88	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	0.45	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	1.3	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	ALS SOP	0.43	µg/kg	0.43	UJ	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.57	µg/kg	100	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.45	µg/kg	1.2	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.53	µg/kg	5.8	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.48	µg/kg	0.48	UJ	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.6	µg/kg	7.3	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.51	µg/kg	0.51	UJ	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.49	µg/kg	2.1	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	ALS SOP	0.46	µg/kg	65	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	4.9	µg/kg	92		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	ALS SOP	46	µg/kg	3,700	J	3,080	NA	NA	COC Exceeds CUL
Tributyltin	Tributyltin Hydride	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.46	µg/kg	25	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	ALS SOP	0.44	µg/kg	8.6	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.48	µg/kg	4.3		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	ALS SOP	4.8	µg/kg	150		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.46	µg/kg	1.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	ALS SOP	0.46	µg/kg	33		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.49	µg/kg	3.4		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	ALS SOP	0.46	µg/kg	5.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	ALS SOP	0.44	µg/kg	14		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	ALS SOP	0.44	µg/kg	1.1	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	ALS SOP	4.3	µg/kg	290		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	ALS SOP	0.44	µg/kg	4		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	ALS SOP	4.5	µg/kg	200		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	ALS SOP	0.46	µg/kg	25	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	ALS SOP	0.45	µg/kg	9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	ALS SOP	0.46	µg/kg	1.4		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	ALS SOP	4.5	µg/kg	350		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	ALS SOP	0.48	µg/kg	6.2	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	ALS SOP	0.45	µg/kg	2.3		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	ALS SOP	0.44	µg/kg	58		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.43	µg/kg	0.43	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	ALS SOP	44	µg/kg	1,300	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.44	µg/kg	1.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	ALS SOP	4.5	µg/kg	120		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.48	µg/kg	16		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.44	µg/kg	3.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	ALS SOP	0.43	µg/kg	15		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.5	µg/kg	4.3	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.44	µg/kg	21	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	ALS SOP	0.44	µg/kg	36	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	ALS SOP	0.43	µg/kg	2.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.55	µg/kg	436.3	J	3,080	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Tributyltin	Tributyltin Hydride	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.45	µg/kg	4.3	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.5	µg/kg	0.54	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.46	µg/kg	0.46	UJ	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.43	µg/kg	30		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.48	µg/kg	0.98	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.43	µg/kg	29		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	ALS SOP	0.43	µg/kg	6.5		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	1.9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	22	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	2.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	0.74	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	18		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	9.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	0.5	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	0.43	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	2.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	0.43	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	0.99	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	0.63	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	0.43	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	23.05	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	ALS SOP	0.43	µg/kg	25		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	ALS SOP	0.45	µg/kg	0.45	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	ALS SOP	0.45	µg/kg	2.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	ALS SOP	0.49	µg/kg	5		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	ALS SOP	0.46	µg/kg	0.46	UJ	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	ALS SOP	0.45	µg/kg	15	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	ALS SOP	0.44	µg/kg	1.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	ALS SOP	98	µg/kg	1,500		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	ALS SOP	0.43	µg/kg	2.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	ALS SOP	44	µg/kg	5,100	J	3,080	NA	NA	COC Exceeds CUL
Tributyltin	Tributyltin Hydride	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	ALS SOP	5.8	µg/kg	120		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.45	µg/kg	5.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.64	µg/kg	5.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.46	µg/kg	0.89	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	ALS SOP	0.46	µg/kg	0.46	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.54	µg/kg	16		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.46	µg/kg	3.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	ALS SOP	0.44	µg/kg	5.5		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.58	µg/kg	0.58	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.47	µg/kg	3.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	ALS SOP	0.46	µg/kg	6.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.53	µg/kg	0.53	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.46	µg/kg	2.5		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	ALS SOP	0.43	µg/kg	3.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.52	µg/kg	0.52	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	ALS SOP	0.46	µg/kg	2.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	ALS SOP	0.44	µg/kg	4.9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.61	µg/kg	0.61	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.47	µg/kg	3.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	ALS SOP	0.46	µg/kg	0.98	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.62	µg/kg	0.62	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.49	µg/kg	1	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	ALS SOP	0.48	µg/kg	7.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.59	µg/kg	1.2	J	3,080	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Tributyltin	Tributyltin Hydride	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.45	µg/kg	0.45	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	ALS SOP	0.47	µg/kg	2.3		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.58	µg/kg	15		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.45	µg/kg	0.45	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	ALS SOP	0.47	µg/kg	1.5		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.55	µg/kg	0.55	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	ALS SOP	0.55	µg/kg	0.88	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.51	µg/kg	2.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	ALS SOP	0.46	µg/kg	5.9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.56	µg/kg	0.56	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	ALS SOP	0.44	µg/kg	2.15		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	ALS SOP	0.47	µg/kg	3.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.59	µg/kg	0.59	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.47	µg/kg	27		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	ALS SOP	0.48	µg/kg	7.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.61	µg/kg	0.61	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.47	µg/kg	2.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	ALS SOP	0.46	µg/kg	3.3		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.67	µg/kg	0.67	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.47	µg/kg	5.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	ALS SOP	0.44	µg/kg	2.4		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.65	µg/kg	0.65	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.46	µg/kg	4.9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	ALS SOP	0.47	µg/kg	4.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.53	µg/kg	0.53	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	ALS SOP	0.46	µg/kg	9.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	ALS SOP	0.47	µg/kg	14		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.63	µg/kg	0.63	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.44	µg/kg	1.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	ALS SOP	0.45	µg/kg	6.3		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.73	µg/kg	0.73	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	ALS SOP	0.81	µg/kg	0.81	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.49	µg/kg	3.9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	ALS SOP	0.45	µg/kg	4		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.51	µg/kg	2.9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.49	µg/kg	0.49	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	ALS SOP	0.49	µg/kg	1.5		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.6	µg/kg	0.6	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.52	µg/kg	32		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	ALS SOP	0.46	µg/kg	9.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.6	µg/kg	0.6	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.48	µg/kg	4.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	ALS SOP	0.46	µg/kg	2.3		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.5	µg/kg	0.5	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	ALS SOP	0.48	µg/kg	4.9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	ALS SOP	0.46	µg/kg	3.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.52	µg/kg	0.52	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.47	µg/kg	1.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	ALS SOP	0.47	µg/kg	8.5		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.65	µg/kg	0.65	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.48	µg/kg	14		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	ALS SOP	0.49	µg/kg	15		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	ALS SOP	0.46	µg/kg	8.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	ALS SOP	0.47	µg/kg	2.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.5	µg/kg	2.2		3,080	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Tributyltin	Tributyltin Hydride	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.45	µg/kg	2.4	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	ALS SOP	0.46	µg/kg	5.2	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.51	µg/kg	0.51	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.45	µg/kg	18		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	ALS SOP	0.45	µg/kg	5.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.57	µg/kg	0.59	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.46	µg/kg	6.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	ALS SOP	0.44	µg/kg	10		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.48	µg/kg	0.48	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.44	µg/kg	36		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	ALS SOP	0.45	µg/kg	16		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.48	µg/kg	0.48	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	ALS SOP	0.45	µg/kg	34		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	ALS SOP	0.43	µg/kg	11		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.5	µg/kg	0.5	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.44	µg/kg	3.3		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	ALS SOP	0.44	µg/kg	26		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.5	µg/kg	4.9		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.45	µg/kg	0.53	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	ALS SOP	0.44	µg/kg	26		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.57	µg/kg	0.57	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.43	µg/kg	0.43	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	ALS SOP	0.45	µg/kg	2.4		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.49	µg/kg	0.49	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.46	µg/kg	0.46	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	ALS SOP	0.46	µg/kg	7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.51	µg/kg	34		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	ALS SOP	0.45	µg/kg	5		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	ALS SOP	0.46	µg/kg	6.6		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	ALS SOP	0.48	µg/kg	4.2		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	ALS SOP	0.45	µg/kg	5.4		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	ALS SOP	0.47	µg/kg	19		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	ALS SOP	0.46	µg/kg	10		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	ALS SOP	0.46	µg/kg	11		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	ALS SOP	0.47	µg/kg	20		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	ALS SOP	0.44	µg/kg	0.44	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	ALS SOP	0.46	µg/kg	3.5	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	ALS SOP	4.9	µg/kg	290	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	ALS SOP	0.67	µg/kg	0.67	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	ALS SOP	0.44	µg/kg	2.7		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	ALS SOP	0.44	µg/kg	8.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	ALS SOP	0.55	µg/kg	0.55	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	ALS SOP	0.46	µg/kg	13		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	ALS SOP	0.46	µg/kg	15		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	ALS SOP	0.46	µg/kg	4.8		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	ALS SOP	0.49	µg/kg	45		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	ALS SOP	0.46	µg/kg	36		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	ALS SOP	0.49	µg/kg	26		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	ALS SOP	0.47	µg/kg	67		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	ALS SOP	0.46	µg/kg	25		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	ALS SOP	0.53	µg/kg	18		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	ALS SOP	0.48	µg/kg	28		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	ALS SOP	0.47	µg/kg	42		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	ALS SOP	0.46	µg/kg	15		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	ALS SOP	0.52	µg/kg	22		3,080	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Tributyltin	Tributyltin Hydride	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	ALS SOP	0.48	µg/kg	37		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	ALS SOP	0.45	µg/kg	17		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	ALS SOP	0.51	µg/kg	0.51	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	ALS SOP	0.48	µg/kg	53		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	ALS SOP	0.47	µg/kg	15		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	ALS SOP	0.67	µg/kg	0.67	U	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	ALS SOP	0.51	µg/kg	54	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	ALS SOP	0.48	µg/kg	11.45	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	ALS SOP	0.54	µg/kg	0.85	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	ALS SOP	0.48	µg/kg	38		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	ALS SOP	0.46	µg/kg	14		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	ALS SOP	0.45	µg/kg	25		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	ALS SOP	0.45	µg/kg	60.5	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	ALS SOP	0.51	µg/kg	3.1		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	ALS SOP	4.6	µg/kg	140	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	ALS SOP	5.1	µg/kg	92	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	ALS SOP	0.62	µg/kg	1.4	J	3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	ALS SOP	0.47	µg/kg	15		3,080	NA	NA	No Exceedances for Detected COC
Tributyltin	Tributyltin Hydride	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	ALS SOP	0.47	µg/kg	23	J	3,080	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.52	µg/kg	0.52	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.66	µg/kg	0.66	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.48	µg/kg	0.48	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.49	µg/kg	0.49	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.66	µg/kg	0.66	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10/14/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.73	µg/kg	0.73	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.69	µg/kg	0.69	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.72	µg/kg	0.72	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.75	µg/kg	0.75	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.71	µg/kg	0.71	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.76	µg/kg	0.76	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	3.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.68	µg/kg	0.68	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.73	µg/kg	0.73	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.69	µg/kg	0.69	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.7	µg/kg	0.7	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	4.1	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.72	µg/kg	0.72	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM	0.62	µg/kg	0.62	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	10/17/2022	CALC_SUM		µg/kg	1.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.56	µg/kg	0.56	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.68	µg/kg	0.68	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.57	µg/kg	0.57	U	1.4	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2.3	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	10.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	1.3	µg/kg	1.3	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.3	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	3	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	5.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	9.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	1.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	2.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	137	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.77	µg/kg	0.77	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	9.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.75	µg/kg	0.75	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM		µg/kg	12.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.72	µg/kg	0.72	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.72	µg/kg	0.72	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10/25/2022	CALC_SUM	0.59	µg/kg	0.59	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.74	µg/kg	0.74	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.66	µg/kg	0.66	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.7	µg/kg	0.7	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.8	µg/kg	0.8	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.74	µg/kg	0.74	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	3.3	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.56	µg/kg	0.56	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.53	µg/kg	0.53	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	2.9	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.4	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	10/24/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	10/24/2022	CALC_SUM		µg/kg	1.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.48	µg/kg	0.48	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.52	µg/kg	0.52	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	2.8	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.56	µg/kg	0.56	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.49	µg/kg	0.49	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.54	µg/kg	0.54	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	11.1	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	10/20/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	10/20/2022	CALC_SUM		µg/kg	1.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.2	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.53	µg/kg	0.53	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	15.8		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.54	µg/kg	0.54	U	1.4	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.3	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.63	µg/kg	0.63	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	10/19/2022	CALC_SUM	0.64	µg/kg	0.64	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	5.3		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	2.4	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	3.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	1.3	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	10/19/2022	CALC_SUM		µg/kg	5.7		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	10/19/2022	CALC_SUM	0.62	µg/kg	0.62	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	1.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.62	µg/kg	0.62	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.78	µg/kg	0.78	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM		µg/kg	2.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.68	µg/kg	0.68	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.54	µg/kg	0.54	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.57	µg/kg	0.57	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.77	µg/kg	0.77	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.56	µg/kg	0.56	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10/18/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.54	µg/kg	0.54	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.49	µg/kg	0.49	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.53	µg/kg	0.53	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.69	µg/kg	0.69	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.57	µg/kg	0.57	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.52	µg/kg	0.52	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10/14/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.73	µg/kg	0.73	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.59	µg/kg	0.59	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.98	µg/kg	0.98	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.63	µg/kg	0.63	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.66	µg/kg	0.66	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.85	µg/kg	0.85	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	3.7		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	2.4		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	44		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM		µg/kg	5.8		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10/13/2022	CALC_SUM		µg/kg	1.4	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.79	µg/kg	0.79	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM		µg/kg	8.6		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.64	µg/kg	0.64	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	10/13/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	10/13/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.84	µg/kg	0.84	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	8.9	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	3.2	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	1.1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.9	µg/kg	0.9	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	23.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	10/12/2022	CALC_SUM		µg/kg	5.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	19.2	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	3.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.56	µg/kg	0.56	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	24.8	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.79	µg/kg	0.79	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.66	µg/kg	0.66	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	1.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.73	µg/kg	0.73	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	10/12/2022	CALC_SUM	0.68	µg/kg	0.68	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	30.2	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM		µg/kg	10.8	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.77	µg/kg	0.77	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.62	µg/kg	0.62	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	10/12/2022	CALC_SUM	0.7	µg/kg	0.7	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.81	µg/kg	0.81	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	10.2	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.81	µg/kg	0.81	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM		µg/kg	10.2	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.58	µg/kg	0.58	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.82	µg/kg	0.82	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.71	µg/kg	0.71	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.63	µg/kg	0.63	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.89	µg/kg	0.89	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.68	µg/kg	0.68	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.61	µg/kg	0.61	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.92	µg/kg	0.92	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.62	µg/kg	0.62	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.69	µg/kg	0.69	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	10/11/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10/11/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.74	µg/kg	0.74	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.71	µg/kg	0.71	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10/11/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.87	µg/kg	0.87	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.63	µg/kg	0.63	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.63	µg/kg	0.63	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.92	µg/kg	0.92	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	10/10/2022	CALC_SUM	1.3	µg/kg	1.3	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	3	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	11.2		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	10/10/2022	CALC_SUM		µg/kg	15.8		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.72	µg/kg	0.72	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.83	µg/kg	0.83	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	8.5		1.4	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.9	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.82	µg/kg	0.82	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	1.3	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM		µg/kg	8		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.64	µg/kg	0.64	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	10/10/2022	CALC_SUM	0.57	µg/kg	0.57	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	10/10/2022	CALC_SUM	0.58	µg/kg	0.58	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.62	µg/kg	0.62	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.66	µg/kg	0.66	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.54	µg/kg	0.54	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.88	µg/kg	0.88	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.3	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	4		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10/7/2022	CALC_SUM		µg/kg	1.9	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	10/7/2022	CALC_SUM	0.57	µg/kg	0.57	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.57	µg/kg	0.57	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.67	µg/kg	0.67	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	6.2		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.72	µg/kg	0.72	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	2.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.68	µg/kg	0.68	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.64	µg/kg	0.64	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.64	µg/kg	0.64	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.68	µg/kg	0.68	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	10/7/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	10/7/2022	CALC_SUM		µg/kg	1.1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.7	µg/kg	0.7	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	10/6/2022	CALC_SUM	0.54	µg/kg	0.54	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	10/6/2022	CALC_SUM	0.54	µg/kg	0.54	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.66	µg/kg	0.66	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.75	µg/kg	0.75	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.6	µg/kg	0.6	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.8	µg/kg	0.8	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1.5	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.61	µg/kg	0.61	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.72	µg/kg	0.72	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.62	µg/kg	0.62	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	13.7		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	10/6/2022	CALC_SUM	0.74	µg/kg	0.74	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	1.3	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10/6/2022	CALC_SUM		µg/kg	43.8		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.57	µg/kg	0.57	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.65	µg/kg	0.65	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	4.8	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	10/5/2022	CALC_SUM	0.56	µg/kg	0.56	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.5	µg/kg	0.5	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	4.6	J	1.4	NA	NA	COC Exceeds CUL

Table 4-1 (continued)
Riverbank Soil Sample Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Analyte Group	Chemical	Location	Location ID	Start Depth (feet)	End Depth (feet)	Sample Date	Analytic Method	Reporting Limit	Result Unit	Result	Qualifier	CUL	RAL/ PQL	PTW	Threshold Exceedance
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.64	µg/kg	0.64	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM		µg/kg	1.1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.75	µg/kg	0.75	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.5	µg/kg	0.5	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.57	µg/kg	0.57	UJ	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.62	µg/kg	0.62	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	10/5/2022	CALC_SUM	0.64	µg/kg	0.64	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.54	µg/kg	0.54	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.57	µg/kg	0.57	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.56	µg/kg	0.56	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.69	µg/kg	0.69	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	3.3	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM	0.53	µg/kg	0.53	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1.8	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.3	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1.1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	10.6	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	10/4/2022	CALC_SUM		µg/kg	1.1	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10/4/2022	CALC_SUM		µg/kg	1.2	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	10/3/2022	CALC_SUM	0.51	µg/kg	0.51	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	1.3	J	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	10/3/2022	CALC_SUM		µg/kg	4		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.85	µg/kg	0.85	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	12		1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	9.3	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.75	µg/kg	0.75	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.57	µg/kg	0.57	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	13.7	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.59	µg/kg	0.59	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	3.8	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	3.8	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.65	µg/kg	0.65	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.73	µg/kg	0.73	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	10/26/2022	CALC_SUM	0.55	µg/kg	0.55	U	1.4	NA	NA	No Exceedances for Detected COC
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	10/26/2022	CALC_SUM		µg/kg	42.9	J	1.4	NA	NA	COC Exceeds CUL
Calculated	Total Chlordane (Calculated U = 1/2)	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	10/26/2022	CALC_SUM		µg/kg	13.2		1.4	NA	NA	COC Exceeds CUL

Notes:
Total Concentrations were calculated using 1/2 of value for non-detects.
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
pg/g = picograms per gram
1,2,3,4,7,8-HxCDF = 1,2,3,4,7,8-hexachlorodibenzofuran
4-PeCDF = 2,3,4,7,8-pentachlorodibenzofuran
A = summed value based on the limited number of analytes
BEHP = bis(2-ethylhexyl)phthalate
CUL = cleanup level
J = estimated concentration
O/P = organochlorine pesticides
PAHs = polycyclic aromatic hydrocarbons
PCDD = 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PCDFs = polychlorinated dibenzofurans
PQL-practical quantitation limit
PTW = principal threat waste
RAL = remedial action level
sVOC = Semi-volatile organic compounds
TCDD-2,3,7,8 = tetrachlorodibenzo-p-dioxin
TCDF = 2,3,7,8-tetrachlorodibenzofuran
TEQ = toxic equivalent
Total Concentrations were calculated using 1/2 of value for non-detects.
TPH = total petroleum hydrocarbons
U = analyte was not detected in the sample at the detection limit

Table 4-2
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-000	SIB-000-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-000	SIB-000-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-000	SIB-000-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-000	SIB-000-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-000	SIB-000-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-000	SIB-000-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-000	SIB-000-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-000	SIB-000-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-000	SIB-000-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-000	SIB-000-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-000	SIB-000-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-000	SIB-000-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-000	SIB-000-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-000	SIB-000-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-000	SIB-000-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-000	SIB-000-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-000	SIB-000-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-000	SIB-000-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-000	SIB-000-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-000	SIB-000-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-000	SIB-000-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-000	SIB-000-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-000	SIB-000-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-000	SIB-000-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-000	SIB-000-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-000	SIB-000-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-000	SIB-000-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-000	SIB-000-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA	x		
SIB-001	SIB-001-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-001	SIB-001-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-001	SIB-001-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-001	SIB-001-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-001	SIB-001-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-001	SIB-001-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-001	SIB-001-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-001	SIB-001-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-001	SIB-001-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-001	SIB-001-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-001	SIB-001-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-001	SIB-001-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-001	SIB-001-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-001	SIB-001-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-001	SIB-001-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-001	SIB-001-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-001	SIB-001-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-001	SIB-001-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA	x		
SIB-001	SIB-001-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-001	SIB-001-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-001	SIB-001-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-001	SIB-001-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-001	SIB-001-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-001	SIB-001-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-001	SIB-001-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-001	SIB-001-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-001	SIB-001-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-001	SIB-001-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-001	SIB-001-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-001	SIB-001-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-001	SIB-001-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-001	SIB-001-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-001	SIB-001-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA	x		
SIB-002	SIB-002-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-002	SIB-002-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-002	SIB-002-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-002	SIB-002-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-002	SIB-002-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-002	SIB-002-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-002	SIB-002-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-002	SIB-002-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-002	SIB-002-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-002	SIB-002-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-002	SIB-002-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-002	SIB-002-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-002	SIB-002-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-002	SIB-002-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-002	SIB-002-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-002	SIB-002-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-002	SIB-002-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-002	SIB-002-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-002	SIB-002-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-002	SIB-002-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-002	SIB-002-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-002	SIB-002-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-002	SIB-002-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-002	SIB-002-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-002	SIB-002-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-002	SIB-002-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-002	SIB-002-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-002	SIB-002-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-002	SIB-002-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-002	SIB-002-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-002	SIB-002-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-002	SIB-002-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-003	SIB-003-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-003	SIB-003-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-003	SIB-003-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-003	SIB-003-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-003	SIB-003-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-003	SIB-003-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-003	SIB-003-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-003	SIB-003-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-003	SIB-003-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-003	SIB-003-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-003	SIB-003-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-003	SIB-003-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-003	SIB-003-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-003	SIB-003-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-003	SIB-003-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-003	SIB-003-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-003	SIB-003-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-003	SIB-003-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-003	SIB-003-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-003	SIB-003-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-003	SIB-003-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-003	SIB-003-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-003	SIB-003-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-003	SIB-003-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-003	SIB-003-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-003	SIB-003-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-003	SIB-003-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-003	SIB-003-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-003	SIB-003-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-003	SIB-003-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-003	SIB-003-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-003	SIB-003-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-003	SIB-003-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-004	SIB-004-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-004	SIB-004-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-004	SIB-004-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-004	SIB-004-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-004	SIB-004-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-004	SIB-004-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-004	SIB-004-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-004	SIB-004-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-004	SIB-004-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-004	SIB-004-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-004	SIB-004-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-004	SIB-004-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-004	SIB-004-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-004	SIB-004-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-004	SIB-004-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-004	SIB-004-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-004	SIB-004-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-004	SIB-004-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-004	SIB-004-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-004	SIB-004-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-004	SIB-004-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-004	SIB-004-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-004	SIB-004-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-004	SIB-004-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-004	SIB-004-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-004	SIB-004-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-004	SIB-004-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-004	SIB-004-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-004	SIB-004-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-004	SIB-004-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-004	SIB-004-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-004	SIB-004-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-004	SIB-004-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-004	SIB-004-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-004	SIB-004-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-004	SIB-004-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-004	SIB-004-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-004	SIB-004-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-004	SIB-004-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-004	SIB-004-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-004	SIB-004-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-004	SIB-004-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-004	SIB-004-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-004	SIB-004-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-004	SIB-004-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-004	SIB-004-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-005	SIB-005-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-005	SIB-005-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-005	SIB-005-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-005	SIB-005-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-005	SIB-005-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-005	SIB-005-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-005	SIB-005-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-005	SIB-005-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-005	SIB-005-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-005	SIB-005-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-005	SIB-005-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-005	SIB-005-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-005	SIB-005-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-005	SIB-005-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-005	SIB-005-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-005	SIB-005-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-005	SIB-005-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-005	SIB-005-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-005	SIB-005-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-005	SIB-005-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-005	SIB-005-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-005	SIB-005-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-005	SIB-005-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-005	SIB-005-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-005	SIB-005-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-005	SIB-005-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-005	SIB-005-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-005	SIB-005-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-005	SIB-005-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-005	SIB-005-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-005	SIB-005-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-005	SIB-005-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-005	SIB-005-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-005	SIB-005-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-005	SIB-005-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-005	SIB-005-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-005	SIB-005-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-005	SIB-005-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-005	SIB-005-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-005	SIB-005-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-005	SIB-005-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-005	SIB-005-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-005	SIB-005-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-005	SIB-005-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-005	SIB-005-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-005	SIB-005-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-005	SIB-005-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			x
SIB-005	SIB-005-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-005	SIB-005-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-005	SIB-005-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-005	SIB-005-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-005	SIB-005-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-005	SIB-005-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-005	SIB-005-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-006	SIB-006-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-006	SIB-006-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-006	SIB-006-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-006	SIB-006-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-006	SIB-006-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-006	SIB-006-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-006	SIB-006-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-006	SIB-006-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-006	SIB-006-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-006	SIB-006-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-006	SIB-006-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-006	SIB-006-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-006	SIB-006-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-006	SIB-006-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-006	SIB-006-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-006	SIB-006-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-006	SIB-006-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-006	SIB-006-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-006	SIB-006-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-006	SIB-006-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-006	SIB-006-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-006	SIB-006-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-006	SIB-006-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-006	SIB-006-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-006	SIB-006-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-006	SIB-006-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-006	SIB-006-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-006	SIB-006-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-006	SIB-006-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-006	SIB-006-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-007	SIB-007-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-007	SIB-007-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-007	SIB-007-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-007	SIB-007-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-007	SIB-007-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-007	SIB-007-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-007	SIB-007-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-007	SIB-007-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-007	SIB-007-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-007	SIB-007-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-007	SIB-007-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-007	SIB-007-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-007	SIB-007-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-007	SIB-007-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-007	SIB-007-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-007	SIB-007-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-007	SIB-007-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-007	SIB-007-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-007	SIB-007-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-007	SIB-007-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-007	SIB-007-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-007	SIB-007-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-007	SIB-007-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-007	SIB-007-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-007	SIB-007-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-007	SIB-007-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-007	SIB-007-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-007	SIB-007-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-007	SIB-007-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-007	SIB-007-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-007	SIB-007-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			x
SIB-007	SIB-007-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-007	SIB-007-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-007	SIB-007-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-007	SIB-007-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-007	SIB-007-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-007	SIB-007-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-008	SIB-008-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-008	SIB-008-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-008	SIB-008-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-008	SIB-008-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-008	SIB-008-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-008	SIB-008-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-008	SIB-008-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-008	SIB-008-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-008	SIB-008-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-008	SIB-008-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-008	SIB-008-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-008	SIB-008-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-008	SIB-008-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-008	SIB-008-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-008	SIB-008-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-008	SIB-008-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-008	SIB-008-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-008	SIB-008-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-008	SIB-008-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-008	SIB-008-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-008	SIB-008-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-008	SIB-008-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-008	SIB-008-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-008	SIB-008-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-008	SIB-008-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-008	SIB-008-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-008	SIB-008-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-008	SIB-008-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-008	SIB-008-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-008	SIB-008-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-008	SIB-008-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-008	SIB-008-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-008	SIB-008-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-008	SIB-008-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-008	SIB-008-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-008	SIB-008-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-008	SIB-008-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-008	SIB-008-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-008	SIB-008-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-008	SIB-008-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-008	SIB-008-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-008	SIB-008-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-008	SIB-008-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-008	SIB-008-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-008	SIB-008-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-008	SIB-008-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-008	SIB-008-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-008	SIB-008-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-008	SIB-008-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-008	SIB-008-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-008	SIB-008-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-008	SIB-008-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-008	SIB-008-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-009	SIB-009-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-009	SIB-009-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-009	SIB-009-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-009	SIB-009-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-009	SIB-009-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-009	SIB-009-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-009	SIB-009-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-009	SIB-009-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-009	SIB-009-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-009	SIB-009-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-009	SIB-009-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-009	SIB-009-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-009	SIB-009-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-009	SIB-009-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-009	SIB-009-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-009	SIB-009-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-009	SIB-009-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-009	SIB-009-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-009	SIB-009-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-009	SIB-009-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-009	SIB-009-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-009	SIB-009-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-009	SIB-009-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-009	SIB-009-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-009	SIB-009-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-009	SIB-009-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-009	SIB-009-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-009	SIB-009-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-009	SIB-009-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-009	SIB-009-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-009	SIB-009-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-009	SIB-009-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-009	SIB-009-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-009	SIB-009-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-009	SIB-009-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-010	SIB-010-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-010	SIB-010-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-010	SIB-010-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-010	SIB-010-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-010	SIB-010-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-010	SIB-010-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-010	SIB-010-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-010	SIB-010-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-010	SIB-010-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-010	SIB-010-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-010	SIB-010-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-010	SIB-010-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-010	SIB-010-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-010	SIB-010-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-010	SIB-010-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-010	SIB-010-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-010	SIB-010-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-010	SIB-010-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-010	SIB-010-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-010	SIB-010-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-010	SIB-010-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-010	SIB-010-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-010	SIB-010-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-010	SIB-010-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-010	SIB-010-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-010	SIB-010-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-010	SIB-010-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-010	SIB-010-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-010	SIB-010-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-010	SIB-010-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-010	SIB-010-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-010	SIB-010-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-010	SIB-010-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-010	SIB-010-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-010	SIB-010-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-011	SIB-011-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-011	SIB-011-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-011	SIB-011-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-011	SIB-011-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-011	SIB-011-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-011	SIB-011-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-011	SIB-011-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-011	SIB-011-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-011	SIB-011-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-011	SIB-011-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-011	SIB-011-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-011	SIB-011-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-011	SIB-011-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-011	SIB-011-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			x
SIB-011	SIB-011-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-011	SIB-011-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-011	SIB-011-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-011	SIB-011-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-011	SIB-011-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-011	SIB-011-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-011	SIB-011-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-011	SIB-011-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA	x		
SIB-011	SIB-011-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-011	SIB-011-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-011	SIB-011-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-011	SIB-011-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-011	SIB-011-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-011	SIB-011-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-011	SIB-011-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-011	SIB-011-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-011	SIB-011-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-011	SIB-011-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA	x		
SIB-011	SIB-011-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050		x	
SIB-011	SIB-011-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-011	SIB-011-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-011	SIB-011-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-011	SIB-011-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-011	SIB-011-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-011	SIB-011-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-011	SIB-011-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-011	SIB-011-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-011	SIB-011-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-011	SIB-011-TOB	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-011	SIB-011-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-011	SIB-011-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-012	SIB-012-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-012	SIB-012-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-012	SIB-012-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-012	SIB-012-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-012	SIB-012-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-012	SIB-012-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-012	SIB-012-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-012	SIB-012-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-012	SIB-012-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-012	SIB-012-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-012	SIB-012-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-012	SIB-012-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-012	SIB-012-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-012	SIB-012-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-012	SIB-012-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-012	SIB-012-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-012	SIB-012-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-012	SIB-012-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-012	SIB-012-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-012	SIB-012-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-013	SIB-013-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-013	SIB-013-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-013	SIB-013-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-013	SIB-013-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-013	SIB-013-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-013	SIB-013-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-013	SIB-013-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-013	SIB-013-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-013	SIB-013-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-013	SIB-013-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-013	SIB-013-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-013	SIB-013-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-013	SIB-013-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-013	SIB-013-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-013	SIB-013-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-013	SIB-013-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-013	SIB-013-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-013	SIB-013-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-013	SIB-013-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-013	SIB-013-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA	x		
SIB-014	SIB-014-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-014	SIB-014-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-014	SIB-014-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-014	SIB-014-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-014	SIB-014-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-014	SIB-014-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-014	SIB-014-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-014	SIB-014-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-014	SIB-014-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-014	SIB-014-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-014	SIB-014-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-014	SIB-014-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			x
SIB-014	SIB-014-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-014	SIB-014-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-014	SIB-014-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-014	SIB-014-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-014	SIB-014-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-014	SIB-014-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-014	SIB-014-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-014	SIB-014-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-014	SIB-014-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-022	SIB-022-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-022	SIB-022-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-022	SIB-022-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-022	SIB-022-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-022	SIB-022-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-022	SIB-022-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-022	SIB-022-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-022	SIB-022-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-022	SIB-022-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-022	SIB-022-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-022	SIB-022-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-022	SIB-022-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-022	SIB-022-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-022	SIB-022-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-022	SIB-022-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-022	SIB-022-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-022	SIB-022-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-022	SIB-022-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-022	SIB-022-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-022	SIB-022-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-022	SIB-022-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-022	SIB-022-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-022	SIB-022-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-022	SIB-022-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-022	SIB-022-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-022	SIB-022-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-022	SIB-022-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-022	SIB-022-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-022	SIB-022-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-022	SIB-022-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-022	SIB-022-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-022	SIB-022-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-022	SIB-022-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-022	SIB-022-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-022	SIB-022-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-022	SIB-022-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-023	SIB-023-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-023	SIB-023-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-023	SIB-023-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-023	SIB-023-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-023	SIB-023-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-023	SIB-023-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-023	SIB-023-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-023	SIB-023-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-023	SIB-023-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-023	SIB-023-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-023	SIB-023-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-023	SIB-023-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-023	SIB-023-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-023	SIB-023-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-023	SIB-023-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-023	SIB-023-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-023	SIB-023-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-024	SIB-024-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-024	SIB-024-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-024	SIB-024-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-024	SIB-024-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-024	SIB-024-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-024	SIB-024-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-024	SIB-024-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-024	SIB-024-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-024	SIB-024-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-024	SIB-024-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-024	SIB-024-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-024	SIB-024-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-024	SIB-024-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-024	SIB-024-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-024	SIB-024-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-024	SIB-024-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-024	SIB-024-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-024	SIB-024-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA			
SIB-024	SIB-024-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-025	SIB-025-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-025	SIB-025-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-025	SIB-025-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-025	SIB-025-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-025	SIB-025-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-025	SIB-025-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-025	SIB-025-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-025	SIB-025-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-025	SIB-025-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-025	SIB-025-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-025	SIB-025-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-025	SIB-025-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-025	SIB-025-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-025	SIB-025-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-025	SIB-025-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-025	SIB-025-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-025	SIB-025-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-025	SIB-025-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-025	SIB-025-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-026	SIB-026-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-026	SIB-026-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-026	SIB-026-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-026	SIB-026-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-026	SIB-026-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-026	SIB-026-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-026	SIB-026-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-026	SIB-026-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-026	SIB-026-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-026	SIB-026-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-026	SIB-026-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-026	SIB-026-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-026	SIB-026-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-026	SIB-026-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-026	SIB-026-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-026	SIB-026-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-026	SIB-026-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-027	SIB-027-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-027	SIB-027-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-027	SIB-027-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-027	SIB-027-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-027	SIB-027-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-027	SIB-027-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-027	SIB-027-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-027	SIB-027-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-027	SIB-027-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-027	SIB-027-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-027	SIB-027-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-028	SIB-028-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-028	SIB-028-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-028	SIB-028-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-028	SIB-028-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-028	SIB-028-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-028	SIB-028-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-028	SIB-028-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-028	SIB-028-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-028	SIB-028-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-028	SIB-028-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-028	SIB-028-OHW	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-028	SIB-028-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-028	SIB-028-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-028	SIB-028-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-028	SIB-028-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			x
SIB-028	SIB-028-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-028	SIB-028-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-028	SIB-028-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-028	SIB-028-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-028	SIB-028-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-028	SIB-028-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-029	SIB-029-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-029	SIB-029-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-029	SIB-029-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-029	SIB-029-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-029	SIB-029-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-029	SIB-029-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-029	SIB-029-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-029	SIB-029-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-029	SIB-029-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-029	SIB-029-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-029	SIB-029-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-029	SIB-029-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-029	SIB-029-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-029	SIB-029-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-029	SIB-029-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-029	SIB-029-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-029	SIB-029-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-029	SIB-029-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-029	SIB-029-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-030	SIB-030-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-030	SIB-030-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-030	SIB-030-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-030	SIB-030-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-030	SIB-030-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-030	SIB-030-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-030	SIB-030-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-030	SIB-030-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-030	SIB-030-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-030	SIB-030-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-030	SIB-030-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-030	SIB-030-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-030	SIB-030-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-030	SIB-030-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-030	SIB-030-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-030	SIB-030-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-030	SIB-030-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-030	SIB-030-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-030	SIB-030-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-030	SIB-030-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-030	SIB-030-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-030	SIB-030-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-030	SIB-030-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-030	SIB-030-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-030	SIB-030-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-030	SIB-030-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-030	SIB-030-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-030	SIB-030-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-030	SIB-030-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-030	SIB-030-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-030	SIB-030-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-030	SIB-030-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-030	SIB-030-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-031	SIB-031-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-031	SIB-031-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-031	SIB-031-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-031	SIB-031-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-031	SIB-031-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-031	SIB-031-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-031	SIB-031-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-031	SIB-031-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-031	SIB-031-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-031	SIB-031-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-031	SIB-031-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-031	SIB-031-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-031	SIB-031-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-031	SIB-031-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-031	SIB-031-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-031	SIB-031-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-031	SIB-031-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200			x
SIB-031	SIB-031-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-031	SIB-031-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-031	SIB-031-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-032	SIB-032-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-032	SIB-032-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-032	SIB-032-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-032	SIB-032-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-032	SIB-032-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-032	SIB-032-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-032	SIB-032-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-032	SIB-032-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-032	SIB-032-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-032	SIB-032-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050		x	
SIB-032	SIB-032-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-032	SIB-032-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-032	SIB-032-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-032	SIB-032-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-032	SIB-032-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-032	SIB-032-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-032	SIB-032-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-032	SIB-032-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-032	SIB-032-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-033	SIB-033-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-033	SIB-033-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-033	SIB-033-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-033	SIB-033-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-033	SIB-033-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-033	SIB-033-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-033	SIB-033-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-033	SIB-033-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-033	SIB-033-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-033	SIB-033-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-033	SIB-033-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-033	SIB-033-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-033	SIB-033-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-033	SIB-033-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-033	SIB-033-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-033	SIB-033-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200			x
SIB-033	SIB-033-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-033	SIB-033-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-033	SIB-033-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-033	SIB-033-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-034	SIB-034-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-034	SIB-034-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-034	SIB-034-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-034	SIB-034-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-034	SIB-034-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-034	SIB-034-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-034	SIB-034-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-034	SIB-034-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-034	SIB-034-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-034	SIB-034-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-034	SIB-034-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-034	SIB-034-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-034	SIB-034-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-034	SIB-034-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-034	SIB-034-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-034	SIB-034-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-034	SIB-034-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-034	SIB-034-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-034	SIB-034-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-034	SIB-034-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-034	SIB-034-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-034	SIB-034-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-034	SIB-034-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-034	SIB-034-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-034	SIB-034-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-034	SIB-034-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-034	SIB-034-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-034	SIB-034-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-034	SIB-034-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-034	SIB-034-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-034	SIB-034-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-034	SIB-034-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-034	SIB-034-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-034	SIB-034-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-034	SIB-034-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-034	SIB-034-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			x
SIB-034	SIB-034-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-034	SIB-034-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-034	SIB-034-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-034	SIB-034-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-034	SIB-034-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-034	SIB-034-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-034	SIB-034-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-034	SIB-034-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-035	SIB-035-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-035	SIB-035-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-035	SIB-035-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-035	SIB-035-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-035	SIB-035-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-035	SIB-035-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-035	SIB-035-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-035	SIB-035-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-035	SIB-035-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-035	SIB-035-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-035	SIB-035-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-035	SIB-035-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-035	SIB-035-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-035	SIB-035-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-035	SIB-035-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-035	SIB-035-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-035	SIB-035-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-035	SIB-035-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-035	SIB-035-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-035	SIB-035-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-035	SIB-035-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-036	SIB-036-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-036	SIB-036-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-036	SIB-036-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-036	SIB-036-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-036	SIB-036-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-036	SIB-036-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-036	SIB-036-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-036	SIB-036-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-036	SIB-036-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-036	SIB-036-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-036	SIB-036-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-036	SIB-036-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-036	SIB-036-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-036	SIB-036-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-036	SIB-036-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-036	SIB-036-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-036	SIB-036-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200			x
SIB-036	SIB-036-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-036	SIB-036-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-036	SIB-036-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-036	SIB-036-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-036	SIB-036-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-036	SIB-036-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-036	SIB-036-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-036	SIB-036-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-036	SIB-036-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-036	SIB-036-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-036	SIB-036-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-036	SIB-036-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-036	SIB-036-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-036	SIB-036-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-036	SIB-036-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-036	SIB-036-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-036	SIB-036-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-037	SIB-037-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-037	SIB-037-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-037	SIB-037-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-037	SIB-037-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-037	SIB-037-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-037	SIB-037-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-037	SIB-037-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-037	SIB-037-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-037	SIB-037-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-037	SIB-037-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-037	SIB-037-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-037	SIB-037-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-037	SIB-037-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-037	SIB-037-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-037	SIB-037-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-037	SIB-037-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-037	SIB-037-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-037	SIB-037-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-037	SIB-037-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-037	SIB-037-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-037	SIB-037-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-037	SIB-037-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-037	SIB-037-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-037	SIB-037-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-037	SIB-037-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-037	SIB-037-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-037	SIB-037-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-037	SIB-037-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-037	SIB-037-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-037	SIB-037-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-037	SIB-037-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-037	SIB-037-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-037	SIB-037-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-037	SIB-037-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-038	SIB-038-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-038	SIB-038-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-038	SIB-038-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-038	SIB-038-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-038	SIB-038-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-038	SIB-038-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-038	SIB-038-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-038	SIB-038-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-038	SIB-038-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-038	SIB-038-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-038	SIB-038-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-038	SIB-038-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-038	SIB-038-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-038	SIB-038-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-038	SIB-038-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-038	SIB-038-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-038	SIB-038-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-038	SIB-038-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-038	SIB-038-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-038	SIB-038-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-038	SIB-038-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-038	SIB-038-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-038	SIB-038-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-038	SIB-038-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-038	SIB-038-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-038	SIB-038-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-038	SIB-038-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-038	SIB-038-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-038	SIB-038-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-038	SIB-038-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-038	SIB-038-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-038	SIB-038-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-038	SIB-038-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-038	SIB-038-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-038	SIB-038-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-039	SIB-039-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-039	SIB-039-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-039	SIB-039-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-039	SIB-039-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-039	SIB-039-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-039	SIB-039-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-039	SIB-039-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-039	SIB-039-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-039	SIB-039-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-039	SIB-039-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-039	SIB-039-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-039	SIB-039-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-039	SIB-039-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-039	SIB-039-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-039	SIB-039-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-039	SIB-039-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-039	SIB-039-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-039	SIB-039-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-039	SIB-039-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-039	SIB-039-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-039	SIB-039-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-039	SIB-039-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-039	SIB-039-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-039	SIB-039-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-039	SIB-039-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-039	SIB-039-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-039	SIB-039-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-039	SIB-039-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-039	SIB-039-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-039	SIB-039-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-039	SIB-039-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-040	SIB-040-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-040	SIB-040-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-040	SIB-040-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-040	SIB-040-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-040	SIB-040-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-040	SIB-040-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-040	SIB-040-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-040	SIB-040-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-040	SIB-040-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-040	SIB-040-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-040	SIB-040-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-040	SIB-040-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-040	SIB-040-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-040	SIB-040-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-040	SIB-040-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-040	SIB-040-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-040	SIB-040-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-040	SIB-040-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-040	SIB-040-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-040	SIB-040-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-040	SIB-040-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-040	SIB-040-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-040	SIB-040-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-040	SIB-040-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-040	SIB-040-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-040	SIB-040-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-040	SIB-040-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-040	SIB-040-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-040	SIB-040-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-040	SIB-040-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-040	SIB-040-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-040	SIB-040-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-040	SIB-040-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-040	SIB-040-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-041	SIB-041-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-041	SIB-041-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-041	SIB-041-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-041	SIB-041-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-041	SIB-041-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-041	SIB-041-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-041	SIB-041-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-041	SIB-041-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-041	SIB-041-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-041	SIB-041-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-041	SIB-041-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-041	SIB-041-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-041	SIB-041-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-041	SIB-041-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-041	SIB-041-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-041	SIB-041-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-041	SIB-041-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-041	SIB-041-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-041	SIB-041-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-041	SIB-041-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-041	SIB-041-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-041	SIB-041-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-041	SIB-041-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-041	SIB-041-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-041	SIB-041-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-041	SIB-041-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-041	SIB-041-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-041	SIB-041-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-041	SIB-041-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-041	SIB-041-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-041	SIB-041-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-041	SIB-041-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-041	SIB-041-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-042	SIB-042-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-042	SIB-042-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-042	SIB-042-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-042	SIB-042-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-042	SIB-042-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-042	SIB-042-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-042	SIB-042-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-042	SIB-042-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-042	SIB-042-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-042	SIB-042-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-042	SIB-042-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-042	SIB-042-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-042	SIB-042-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-042	SIB-042-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-042	SIB-042-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-042	SIB-042-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-042	SIB-042-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-042	SIB-042-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-042	SIB-042-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-042	SIB-042-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-042	SIB-042-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-042	SIB-042-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-042	SIB-042-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-042	SIB-042-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-042	SIB-042-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-042	SIB-042-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-042	SIB-042-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-042	SIB-042-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-042	SIB-042-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-042	SIB-042-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-042	SIB-042-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-042	SIB-042-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-042	SIB-042-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-042	SIB-042-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-042	SIB-042-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-043	SIB-043-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-043	SIB-043-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-043	SIB-043-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-043	SIB-043-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-043	SIB-043-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-043	SIB-043-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-043	SIB-043-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-043	SIB-043-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-043	SIB-043-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-043	SIB-043-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-043	SIB-043-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-043	SIB-043-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-043	SIB-043-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-043	SIB-043-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-043	SIB-043-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-043	SIB-043-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-043	SIB-043-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-043	SIB-043-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-043	SIB-043-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-043	SIB-043-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-043	SIB-043-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-043	SIB-043-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-043	SIB-043-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-043	SIB-043-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-043	SIB-043-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-043	SIB-043-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-043	SIB-043-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA		x	
SIB-043	SIB-043-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-043	SIB-043-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-043	SIB-043-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-043	SIB-043-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-043	SIB-043-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-043	SIB-043-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-043	SIB-043-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-043	SIB-043-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-043	SIB-043-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-044	SIB-044-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-044	SIB-044-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-044	SIB-044-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-044	SIB-044-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-044	SIB-044-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-044	SIB-044-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-044	SIB-044-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-044	SIB-044-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-044	SIB-044-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-044	SIB-044-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-044	SIB-044-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-044	SIB-044-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-044	SIB-044-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-044	SIB-044-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-044	SIB-044-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-044	SIB-044-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-044	SIB-044-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-044	SIB-044-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-044	SIB-044-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-044	SIB-044-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-044	SIB-044-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-044	SIB-044-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-044	SIB-044-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-044	SIB-044-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-044	SIB-044-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-044	SIB-044-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-044	SIB-044-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-044	SIB-044-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-044	SIB-044-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-044	SIB-044-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-044	SIB-044-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-044	SIB-044-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-044	SIB-044-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-044	SIB-044-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-044	SIB-044-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-044	SIB-044-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-044	SIB-044-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-044	SIB-044-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-044	SIB-044-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-044	SIB-044-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-044	SIB-044-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-044	SIB-044-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-044	SIB-044-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA	x		
SIB-044	SIB-044-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-045	SIB-045-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-045	SIB-045-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-045	SIB-045-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-045	SIB-045-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-045	SIB-045-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-045	SIB-045-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-045	SIB-045-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-045	SIB-045-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-045	SIB-045-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-045	SIB-045-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-045	SIB-045-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA		x	
SIB-045	SIB-045-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-045	SIB-045-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-045	SIB-045-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-045	SIB-045-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-045	SIB-045-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-045	SIB-045-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-045	SIB-045-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-045	SIB-045-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-045	SIB-045-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-045	SIB-045-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-045	SIB-045-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-045	SIB-045-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-045	SIB-045-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-045	SIB-045-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-045	SIB-045-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-045	SIB-045-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-045	SIB-045-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-045	SIB-045-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-045	SIB-045-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-045	SIB-045-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-045	SIB-045-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-045	SIB-045-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-045	SIB-045-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-045	SIB-045-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-045	SIB-045-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-045	SIB-045-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-045	SIB-045-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-045	SIB-045-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-045	SIB-045-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-045	SIB-045-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-046	SIB-046-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-046	SIB-046-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-046	SIB-046-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-046	SIB-046-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-046	SIB-046-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-046	SIB-046-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-046	SIB-046-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-046	SIB-046-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-046	SIB-046-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-046	SIB-046-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-046	SIB-046-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-046	SIB-046-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-046	SIB-046-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-046	SIB-046-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-046	SIB-046-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-046	SIB-046-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-046	SIB-046-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-046	SIB-046-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-046	SIB-046-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-046	SIB-046-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-046	SIB-046-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-046	SIB-046-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-046	SIB-046-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-046	SIB-046-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-046	SIB-046-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-046	SIB-046-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-046	SIB-046-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-046	SIB-046-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-046	SIB-046-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-046	SIB-046-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-046	SIB-046-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-046	SIB-046-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-046	SIB-046-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-046	SIB-046-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-046	SIB-046-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-046	SIB-046-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-046	SIB-046-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-046	SIB-046-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-046	SIB-046-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-046	SIB-046-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-046	SIB-046-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-046	SIB-046-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-047	SIB-047-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-047	SIB-047-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-047	SIB-047-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-047	SIB-047-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-047	SIB-047-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-047	SIB-047-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-047	SIB-047-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-047	SIB-047-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-047	SIB-047-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-047	SIB-047-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-047	SIB-047-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-047	SIB-047-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-047	SIB-047-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-047	SIB-047-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-047	SIB-047-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-047	SIB-047-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-047	SIB-047-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-047	SIB-047-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-047	SIB-047-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-047	SIB-047-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-047	SIB-047-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-047	SIB-047-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-047	SIB-047-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-047	SIB-047-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-047	SIB-047-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-047	SIB-047-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-047	SIB-047-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-047	SIB-047-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-047	SIB-047-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-047	SIB-047-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-047	SIB-047-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-047	SIB-047-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-047	SIB-047-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-047	SIB-047-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-047	SIB-047-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-047	SIB-047-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-047	SIB-047-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-047	SIB-047-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-047	SIB-047-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-047	SIB-047-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-048	SIB-048-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-048	SIB-048-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-048	SIB-048-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-048	SIB-048-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-048	SIB-048-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-048	SIB-048-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-048	SIB-048-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-048	SIB-048-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-048	SIB-048-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-048	SIB-048-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-048	SIB-048-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-048	SIB-048-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-048	SIB-048-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-048	SIB-048-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-048	SIB-048-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-048	SIB-048-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-048	SIB-048-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-048	SIB-048-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-048	SIB-048-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-048	SIB-048-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-048	SIB-048-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-048	SIB-048-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-048	SIB-048-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-048	SIB-048-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-048	SIB-048-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-048	SIB-048-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-048	SIB-048-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-048	SIB-048-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-048	SIB-048-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-048	SIB-048-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-048	SIB-048-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-048	SIB-048-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-048	SIB-048-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-048	SIB-048-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-048	SIB-048-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-048	SIB-048-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-048	SIB-048-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-048	SIB-048-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-048	SIB-048-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-048	SIB-048-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-048	SIB-048-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-048	SIB-048-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-048	SIB-048-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-048	SIB-048-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-048	SIB-048-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-048	SIB-048-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-048	SIB-048-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-048	SIB-048-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-048	SIB-048-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-048	SIB-048-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-048	SIB-048-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-048	SIB-048-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-048	SIB-048-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-048	SIB-048-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-048	SIB-048-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-048	SIB-048-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-048	SIB-048-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-048	SIB-048-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-048	SIB-048-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-048	SIB-048-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-048	SIB-048-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-048	SIB-048-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-049	SIB-049-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-049	SIB-049-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-049	SIB-049-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-049	SIB-049-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-049	SIB-049-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-049	SIB-049-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-049	SIB-049-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-049	SIB-049-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-049	SIB-049-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-049	SIB-049-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-049	SIB-049-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-049	SIB-049-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-049	SIB-049-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-049	SIB-049-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-049	SIB-049-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-049	SIB-049-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-049	SIB-049-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-049	SIB-049-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-049	SIB-049-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-049	SIB-049-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-049	SIB-049-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-049	SIB-049-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-049	SIB-049-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-049	SIB-049-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-049	SIB-049-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-049	SIB-049-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-049	SIB-049-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-049	SIB-049-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-049	SIB-049-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-049	SIB-049-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-049	SIB-049-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-049	SIB-049-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-049	SIB-049-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-049	SIB-049-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-049	SIB-049-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-049	SIB-049-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-049	SIB-049-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-049	SIB-049-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-049	SIB-049-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-049	SIB-049-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-050	SIB-050-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-050	SIB-050-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-050	SIB-050-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-050	SIB-050-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-050	SIB-050-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-050	SIB-050-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-050	SIB-050-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-050	SIB-050-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-050	SIB-050-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-050	SIB-050-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-050	SIB-050-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-050	SIB-050-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-050	SIB-050-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-050	SIB-050-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-050	SIB-050-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-050	SIB-050-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-050	SIB-050-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-050	SIB-050-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-050	SIB-050-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-050	SIB-050-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-050	SIB-050-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-050	SIB-050-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-050	SIB-050-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-050	SIB-050-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-050	SIB-050-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-050	SIB-050-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-050	SIB-050-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-050	SIB-050-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-050	SIB-050-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-050	SIB-050-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-050	SIB-050-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-050	SIB-050-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-050	SIB-050-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			x
SIB-050	SIB-050-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-050	SIB-050-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-050	SIB-050-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-050	SIB-050-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-050	SIB-050-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-050	SIB-050-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-050	SIB-050-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-050	SIB-050-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-051	SIB-051-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-051	SIB-051-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-051	SIB-051-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-051	SIB-051-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-051	SIB-051-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-051	SIB-051-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-051	SIB-051-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-051	SIB-051-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-051	SIB-051-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-051	SIB-051-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-051	SIB-051-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-051	SIB-051-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-051	SIB-051-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-051	SIB-051-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-051	SIB-051-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-051	SIB-051-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-051	SIB-051-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-051	SIB-051-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-051	SIB-051-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-051	SIB-051-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-051	SIB-051-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-051	SIB-051-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-051	SIB-051-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-051	SIB-051-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-051	SIB-051-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-051	SIB-051-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-051	SIB-051-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-051	SIB-051-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-051	SIB-051-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-051	SIB-051-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-051	SIB-051-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-051	SIB-051-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-051	SIB-051-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-051	SIB-051-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-051	SIB-051-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-051	SIB-051-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-051	SIB-051-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-051	SIB-051-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-051	SIB-051-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-052	SIB-052-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-052	SIB-052-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-052	SIB-052-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-052	SIB-052-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-052	SIB-052-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-052	SIB-052-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-052	SIB-052-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-052	SIB-052-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-052	SIB-052-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-052	SIB-052-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-052	SIB-052-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-052	SIB-052-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-052	SIB-052-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-052	SIB-052-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-052	SIB-052-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-052	SIB-052-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-052	SIB-052-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-052	SIB-052-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-052	SIB-052-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-052	SIB-052-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-052	SIB-052-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-052	SIB-052-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-052	SIB-052-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-052	SIB-052-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-052	SIB-052-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-052	SIB-052-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-052	SIB-052-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-052	SIB-052-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-052	SIB-052-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-052	SIB-052-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-052	SIB-052-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-052	SIB-052-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-052	SIB-052-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-052	SIB-052-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-052	SIB-052-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-052	SIB-052-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-052	SIB-052-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-052	SIB-052-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-052	SIB-052-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-052	SIB-052-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-052	SIB-052-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-052	SIB-052-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-053	SIB-053-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-053	SIB-053-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-053	SIB-053-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-053	SIB-053-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-053	SIB-053-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-053	SIB-053-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-053	SIB-053-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-053	SIB-053-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-053	SIB-053-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-053	SIB-053-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-053	SIB-053-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-053	SIB-053-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-053	SIB-053-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-053	SIB-053-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-053	SIB-053-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-053	SIB-053-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-053	SIB-053-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-053	SIB-053-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-053	SIB-053-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-053	SIB-053-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-053	SIB-053-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-053	SIB-053-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-053	SIB-053-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-053	SIB-053-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-053	SIB-053-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-053	SIB-053-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-053	SIB-053-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-053	SIB-053-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-053	SIB-053-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-053	SIB-053-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-053	SIB-053-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-053	SIB-053-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-053	SIB-053-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-053	SIB-053-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-053	SIB-053-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-053	SIB-053-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-053	SIB-053-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-053	SIB-053-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-053	SIB-053-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-053	SIB-053-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-053	SIB-053-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-053	SIB-053-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-053	SIB-053-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-053	SIB-053-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-053	SIB-053-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-053	SIB-053-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-053	SIB-053-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-053	SIB-053-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-053	SIB-053-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-053	SIB-053-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-053	SIB-053-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-053	SIB-053-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-053	SIB-053-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-053	SIB-053-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-053	SIB-053-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-053	SIB-053-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-053	SIB-053-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-053	SIB-053-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-053	SIB-053-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-053	SIB-053-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-053	SIB-053-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-053	SIB-053-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-053	SIB-053-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-053	SIB-053-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-053	SIB-053-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-054	SIB-054-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-054	SIB-054-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-054	SIB-054-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-054	SIB-054-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-054	SIB-054-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-054	SIB-054-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-054	SIB-054-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-054	SIB-054-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-054	SIB-054-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-054	SIB-054-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-054	SIB-054-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-054	SIB-054-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-054	SIB-054-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-054	SIB-054-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-054	SIB-054-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-054	SIB-054-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-054	SIB-054-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-054	SIB-054-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-054	SIB-054-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-054	SIB-054-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-054	SIB-054-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-054	SIB-054-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-054	SIB-054-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-054	SIB-054-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-054	SIB-054-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-054	SIB-054-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-054	SIB-054-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-054	SIB-054-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-054	SIB-054-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-054	SIB-054-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-054	SIB-054-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-054	SIB-054-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-054	SIB-054-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-054	SIB-054-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-054	SIB-054-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-054	SIB-054-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-054	SIB-054-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-055	SIB-055-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-055	SIB-055-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-055	SIB-055-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-055	SIB-055-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-055	SIB-055-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-055	SIB-055-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-055	SIB-055-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-055	SIB-055-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-055	SIB-055-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-055	SIB-055-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-055	SIB-055-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-055	SIB-055-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-055	SIB-055-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-055	SIB-055-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-055	SIB-055-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-055	SIB-055-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-055	SIB-055-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-055	SIB-055-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-055	SIB-055-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-055	SIB-055-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-055	SIB-055-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-055	SIB-055-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-055	SIB-055-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-055	SIB-055-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-055	SIB-055-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-055	SIB-055-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-055	SIB-055-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-055	SIB-055-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-055	SIB-055-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-055	SIB-055-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-055	SIB-055-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-055	SIB-055-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-055	SIB-055-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-055	SIB-055-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-056	SIB-056-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-056	SIB-056-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-056	SIB-056-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-056	SIB-056-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-056	SIB-056-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-056	SIB-056-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-056	SIB-056-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-056	SIB-056-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-056	SIB-056-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-056	SIB-056-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-056	SIB-056-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-056	SIB-056-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-056	SIB-056-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-056	SIB-056-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-056	SIB-056-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-056	SIB-056-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-056	SIB-056-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-056	SIB-056-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-056	SIB-056-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-056	SIB-056-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-056	SIB-056-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-056	SIB-056-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-056	SIB-056-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-056	SIB-056-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-056	SIB-056-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-056	SIB-056-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-056	SIB-056-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-056	SIB-056-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-056	SIB-056-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-056	SIB-056-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-056	SIB-056-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-056	SIB-056-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-056	SIB-056-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-056	SIB-056-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-056	SIB-056-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-056	SIB-056-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-056	SIB-056-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-056	SIB-056-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-056	SIB-056-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-056	SIB-056-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-056	SIB-056-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-056	SIB-056-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-056	SIB-056-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-056	SIB-056-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-056	SIB-056-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-056	SIB-056-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-056	SIB-056-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-056	SIB-056-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-056	SIB-056-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-056	SIB-056-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-056	SIB-056-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-056	SIB-056-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-056	SIB-056-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-056	SIB-056-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-056	SIB-056-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-056	SIB-056-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-056	SIB-056-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-056	SIB-056-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-056	SIB-056-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-056	SIB-056-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-057	SIB-057-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-057	SIB-057-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-057	SIB-057-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-057	SIB-057-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-057	SIB-057-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-057	SIB-057-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-057	SIB-057-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-057	SIB-057-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-057	SIB-057-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-057	SIB-057-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-057	SIB-057-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-057	SIB-057-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-057	SIB-057-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-057	SIB-057-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-057	SIB-057-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-057	SIB-057-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-057	SIB-057-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-057	SIB-057-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-057	SIB-057-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-057	SIB-057-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-057	SIB-057-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-057	SIB-057-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-057	SIB-057-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-057	SIB-057-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-057	SIB-057-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-057	SIB-057-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-057	SIB-057-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-057	SIB-057-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-057	SIB-057-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-057	SIB-057-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-057	SIB-057-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-057	SIB-057-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-057	SIB-057-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-057	SIB-057-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			x
SIB-057	SIB-057-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-057	SIB-057-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-057	SIB-057-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-057	SIB-057-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-057	SIB-057-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-057	SIB-057-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-057	SIB-057-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-057	SIB-057-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-057	SIB-057-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	1	2	µg/kg	23,000	30,000	NA			
SIB-057	SIB-057-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-057	SIB-057-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	1	2	µg/kg	774	NA	774,000			
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-057	SIB-057-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-057	SIB-057-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-057	SIB-057-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-057	SIB-057-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-057	SIB-057-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-057	SIB-057-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	1	2	µg/kg	3,080	NA	NA			
SIB-058	SIB-058-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-058	SIB-058-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-058	SIB-058-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-058	SIB-058-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-058	SIB-058-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-058	SIB-058-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-058	SIB-058-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-058	SIB-058-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-058	SIB-058-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-058	SIB-058-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-058	SIB-058-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-058	SIB-058-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-058	SIB-058-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-058	SIB-058-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-058	SIB-058-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-058	SIB-058-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-058	SIB-058-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-058	SIB-058-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-058	SIB-058-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-058	SIB-058-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-058	SIB-058-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-058	SIB-058-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-058	SIB-058-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-058	SIB-058-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-058	SIB-058-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-058	SIB-058-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-058	SIB-058-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-058	SIB-058-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-058	SIB-058-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-058	SIB-058-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-058	SIB-058-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-058	SIB-058-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-058	SIB-058-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-058	SIB-058-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA	x		
SIB-058	SIB-058-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-058	SIB-058-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-058	SIB-058-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-058	SIB-058-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-058	SIB-058-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-058	SIB-058-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-058	SIB-058-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-058	SIB-058-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-058	SIB-058-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-058	SIB-058-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-058	SIB-058-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-058	SIB-058-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-059	SIB-059-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-059	SIB-059-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-059	SIB-059-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-059	SIB-059-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-059	SIB-059-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-059	SIB-059-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-059	SIB-059-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-059	SIB-059-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-059	SIB-059-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-059	SIB-059-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-059	SIB-059-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-059	SIB-059-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-059	SIB-059-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-059	SIB-059-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-059	SIB-059-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-059	SIB-059-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-059	SIB-059-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-059	SIB-059-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-059	SIB-059-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-059	SIB-059-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-059	SIB-059-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-059	SIB-059-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-059	SIB-059-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-059	SIB-059-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-059	SIB-059-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-059	SIB-059-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-059	SIB-059-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-059	SIB-059-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-059	SIB-059-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-059	SIB-059-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-059	SIB-059-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-059	SIB-059-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-059	SIB-059-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-059	SIB-059-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-059	SIB-059-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-059	SIB-059-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-059	SIB-059-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-059	SIB-059-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-059	SIB-059-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-060	SIB-060-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-060	SIB-060-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-060	SIB-060-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-060	SIB-060-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-060	SIB-060-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-060	SIB-060-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-060	SIB-060-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-060	SIB-060-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-060	SIB-060-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-060	SIB-060-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-060	SIB-060-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-060	SIB-060-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-060	SIB-060-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-060	SIB-060-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-060	SIB-060-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-060	SIB-060-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-060	SIB-060-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-060	SIB-060-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-060	SIB-060-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-060	SIB-060-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-060	SIB-060-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-060	SIB-060-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-060	SIB-060-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-060	SIB-060-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-060	SIB-060-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-060	SIB-060-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-060	SIB-060-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-060	SIB-060-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-060	SIB-060-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-060	SIB-060-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-060	SIB-060-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-060	SIB-060-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-060	SIB-060-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-060	SIB-060-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-060	SIB-060-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-060	SIB-060-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-060	SIB-060-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-060	SIB-060-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-061	SIB-061-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-061	SIB-061-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-061	SIB-061-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-061	SIB-061-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-061	SIB-061-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-061	SIB-061-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-061	SIB-061-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-061	SIB-061-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-061	SIB-061-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-061	SIB-061-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-061	SIB-061-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-061	SIB-061-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-061	SIB-061-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-061	SIB-061-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-061	SIB-061-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-061	SIB-061-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-061	SIB-061-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-061	SIB-061-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-061	SIB-061-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-061	SIB-061-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-061	SIB-061-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-061	SIB-061-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-061	SIB-061-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-061	SIB-061-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-061	SIB-061-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-061	SIB-061-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-061	SIB-061-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-061	SIB-061-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-061	SIB-061-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-061	SIB-061-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-061	SIB-061-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-061	SIB-061-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-061	SIB-061-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-061	SIB-061-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-061	SIB-061-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-061	SIB-061-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-061	SIB-061-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-061	SIB-061-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-062	SIB-062-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-062	SIB-062-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-062	SIB-062-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-062	SIB-062-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-062	SIB-062-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-062	SIB-062-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-062	SIB-062-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-062	SIB-062-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-062	SIB-062-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-062	SIB-062-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-062	SIB-062-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-062	SIB-062-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-062	SIB-062-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-062	SIB-062-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-062	SIB-062-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-062	SIB-062-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-062	SIB-062-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-062	SIB-062-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-062	SIB-062-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-062	SIB-062-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-062	SIB-062-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-062	SIB-062-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-062	SIB-062-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-062	SIB-062-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-062	SIB-062-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-062	SIB-062-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-062	SIB-062-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-062	SIB-062-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-062	SIB-062-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-062	SIB-062-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-062	SIB-062-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-062	SIB-062-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-062	SIB-062-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-062	SIB-062-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-062	SIB-062-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-062	SIB-062-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-062	SIB-062-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-062	SIB-062-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-062	SIB-062-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-062	SIB-062-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-062	SIB-062-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-062	SIB-062-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-062	SIB-062-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-062	SIB-062-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-062	SIB-062-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-062	SIB-062-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-062	SIB-062-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-062	SIB-062-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-062	SIB-062-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-062	SIB-062-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-062	SIB-062-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-062	SIB-062-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-062	SIB-062-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-063	SIB-063-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-063	SIB-063-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-063	SIB-063-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-063	SIB-063-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-063	SIB-063-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-063	SIB-063-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-063	SIB-063-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-063	SIB-063-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-063	SIB-063-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-063	SIB-063-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-063	SIB-063-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-063	SIB-063-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-063	SIB-063-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-063	SIB-063-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-063	SIB-063-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-063	SIB-063-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-063	SIB-063-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-063	SIB-063-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-063	SIB-063-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-063	SIB-063-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-063	SIB-063-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-063	SIB-063-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-063	SIB-063-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-063	SIB-063-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-063	SIB-063-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-063	SIB-063-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-063	SIB-063-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-063	SIB-063-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-063	SIB-063-OHW	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-063	SIB-063-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-063	SIB-063-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-063	SIB-063-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-063	SIB-063-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-063	SIB-063-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-063	SIB-063-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-063	SIB-063-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-063	SIB-063-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-063	SIB-063-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-063	SIB-063-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-063	SIB-063-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-063	SIB-063-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-063	SIB-063-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-063	SIB-063-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-063	SIB-063-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-063	SIB-063-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-063	SIB-063-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-063	SIB-063-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-063	SIB-063-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-063	SIB-063-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-063	SIB-063-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-063	SIB-063-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-063	SIB-063-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-063	SIB-063-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-063	SIB-063-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-063	SIB-063-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-063	SIB-063-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-063	SIB-063-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-063	SIB-063-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-063	SIB-063-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-063	SIB-063-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-064	SIB-064-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-064	SIB-064-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-064	SIB-064-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-064	SIB-064-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-064	SIB-064-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-064	SIB-064-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-064	SIB-064-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-064	SIB-064-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-064	SIB-064-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-064	SIB-064-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-064	SIB-064-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-064	SIB-064-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-064	SIB-064-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-064	SIB-064-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-064	SIB-064-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-064	SIB-064-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-064	SIB-064-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-064	SIB-064-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-064	SIB-064-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-064	SIB-064-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-064	SIB-064-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-064	SIB-064-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-064	SIB-064-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-064	SIB-064-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-064	SIB-064-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-064	SIB-064-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-064	SIB-064-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-064	SIB-064-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-064	SIB-064-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-064	SIB-064-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-064	SIB-064-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-064	SIB-064-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-064	SIB-064-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-064	SIB-064-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-064	SIB-064-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-064	SIB-064-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-064	SIB-064-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-064	SIB-064-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-064	SIB-064-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-064	SIB-064-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-064	SIB-064-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-064	SIB-064-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			
SIB-064	SIB-064-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-064	SIB-064-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-065	SIB-065-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-065	SIB-065-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-065	SIB-065-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-065	SIB-065-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-065	SIB-065-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-065	SIB-065-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-065	SIB-065-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-065	SIB-065-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-065	SIB-065-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-065	SIB-065-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-065	SIB-065-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-065	SIB-065-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-065	SIB-065-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-065	SIB-065-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-065	SIB-065-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-065	SIB-065-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-065	SIB-065-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-065	SIB-065-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-065	SIB-065-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-065	SIB-065-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-065	SIB-065-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-065	SIB-065-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-065	SIB-065-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-065	SIB-065-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-065	SIB-065-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-065	SIB-065-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-065	SIB-065-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-065	SIB-065-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-065	SIB-065-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-065	SIB-065-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-065	SIB-065-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-065	SIB-065-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-065	SIB-065-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-065	SIB-065-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-065	SIB-065-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-065	SIB-065-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-065	SIB-065-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-065	SIB-065-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-065	SIB-065-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-065	SIB-065-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-065	SIB-065-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-065	SIB-065-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-066	SIB-066-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-066	SIB-066-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-066	SIB-066-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-066	SIB-066-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-066	SIB-066-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-066	SIB-066-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-066	SIB-066-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-066	SIB-066-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-066	SIB-066-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-066	SIB-066-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-066	SIB-066-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-066	SIB-066-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-066	SIB-066-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-066	SIB-066-OHW	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA			
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-066	SIB-066-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200			
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-066	SIB-066-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-066	SIB-066-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-066	SIB-066-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-066	SIB-066-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-066	SIB-066-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-066	SIB-066-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-066	SIB-066-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-066	SIB-066-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-066	SIB-066-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-066	SIB-066-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-066	SIB-066-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-066	SIB-066-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-066	SIB-066-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-066	SIB-066-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-066	SIB-066-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-066	SIB-066-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-066	SIB-066-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			
SIB-066	SIB-066-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200			
SIB-066	SIB-066-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-066	SIB-066-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-066	SIB-066-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-066	SIB-066-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-066	SIB-066-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600			
SIB-066	SIB-066-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-066	SIB-066-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-067	SIB-067-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-067	SIB-067-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-067	SIB-067-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-067	SIB-067-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-067	SIB-067-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-067	SIB-067-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-067	SIB-067-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-067	SIB-067-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-067	SIB-067-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-067	SIB-067-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-067	SIB-067-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-067	SIB-067-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-067	SIB-067-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600			
SIB-067	SIB-067-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-067	SIB-067-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-067	SIB-067-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-067	SIB-067-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-067	SIB-067-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-067	SIB-067-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-067	SIB-067-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-067	SIB-067-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-067	SIB-067-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-067	SIB-067-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-067	SIB-067-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-067	SIB-067-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-067	SIB-067-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-067	SIB-067-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	2	3	pg/g	9,000	75,000	200,000			
SIB-067	SIB-067-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-067	SIB-067-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-067	SIB-067-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA	x		
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10		x	
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-067	SIB-067-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-067	SIB-067-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-067	SIB-067-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-067	SIB-067-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-067	SIB-067-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-067	SIB-067-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-067	SIB-067-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-067	SIB-067-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-067	SIB-067-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-067	SIB-067-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-067	SIB-067-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-067	SIB-067-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-067	SIB-067-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-067	SIB-067-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-067	SIB-067-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-067	SIB-067-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-067	SIB-067-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-067	SIB-067-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-067	SIB-067-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-067	SIB-067-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-067	SIB-067-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600			
SIB-067	SIB-067-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-067	SIB-067-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-068	SIB-068-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-068	SIB-068-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-068	SIB-068-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-068	SIB-068-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-068	SIB-068-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-068	SIB-068-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-068	SIB-068-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-068	SIB-068-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-068	SIB-068-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-068	SIB-068-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-068	SIB-068-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-068	SIB-068-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-068	SIB-068-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-068	SIB-068-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-068	SIB-068-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-068	SIB-068-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-068	SIB-068-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-068	SIB-068-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-068	SIB-068-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-068	SIB-068-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-068	SIB-068-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-068	SIB-068-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-068	SIB-068-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-068	SIB-068-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-068	SIB-068-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-068	SIB-068-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-068	SIB-068-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-068	SIB-068-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-068	SIB-068-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-068	SIB-068-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-068	SIB-068-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-068	SIB-068-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-068	SIB-068-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-068	SIB-068-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-068	SIB-068-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-068	SIB-068-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-068	SIB-068-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-068	SIB-068-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-068	SIB-068-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-068	SIB-068-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-068	SIB-068-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600			
SIB-068	SIB-068-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-068	SIB-068-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-069	SIB-069-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-069	SIB-069-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-069	SIB-069-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-069	SIB-069-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-069	SIB-069-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-069	SIB-069-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-069	SIB-069-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-069	SIB-069-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-069	SIB-069-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-069	SIB-069-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-069	SIB-069-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-069	SIB-069-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-069	SIB-069-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-069	SIB-069-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-069	SIB-069-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-069	SIB-069-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-069	SIB-069-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-069	SIB-069-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-069	SIB-069-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-069	SIB-069-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-069	SIB-069-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-069	SIB-069-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-069	SIB-069-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-069	SIB-069-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-069	SIB-069-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-069	SIB-069-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-069	SIB-069-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-069	SIB-069-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-069	SIB-069-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-069	SIB-069-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-069	SIB-069-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-069	SIB-069-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-069	SIB-069-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-069	SIB-069-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-069	SIB-069-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-069	SIB-069-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-069	SIB-069-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA	x		
SIB-070	SIB-070-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-070	SIB-070-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-070	SIB-070-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-070	SIB-070-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-070	SIB-070-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-070	SIB-070-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-070	SIB-070-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-070	SIB-070-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-070	SIB-070-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-070	SIB-070-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-070	SIB-070-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-070	SIB-070-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-070	SIB-070-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-070	SIB-070-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-070	SIB-070-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-070	SIB-070-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-070	SIB-070-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-070	SIB-070-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-070	SIB-070-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-070	SIB-070-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-070	SIB-070-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-070	SIB-070-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-070	SIB-070-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-070	SIB-070-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-070	SIB-070-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-070	SIB-070-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-070	SIB-070-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-070	SIB-070-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-070	SIB-070-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-070	SIB-070-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-070	SIB-070-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-070	SIB-070-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-070	SIB-070-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-070	SIB-070-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-070	SIB-070-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-070	SIB-070-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-071	SIB-071-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-071	SIB-071-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-071	SIB-071-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-071	SIB-071-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-071	SIB-071-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-071	SIB-071-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-071	SIB-071-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-071	SIB-071-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-071	SIB-071-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-071	SIB-071-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-071	SIB-071-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-071	SIB-071-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-071	SIB-071-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-071	SIB-071-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-071	SIB-071-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-071	SIB-071-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-071	SIB-071-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-071	SIB-071-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-071	SIB-071-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-071	SIB-071-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-071	SIB-071-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-071	SIB-071-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-071	SIB-071-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-071	SIB-071-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-071	SIB-071-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-071	SIB-071-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-071	SIB-071-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-071	SIB-071-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-071	SIB-071-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-071	SIB-071-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-071	SIB-071-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-071	SIB-071-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-071	SIB-071-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-071	SIB-071-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-071	SIB-071-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-071	SIB-071-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-071	SIB-071-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-071	SIB-071-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-071	SIB-071-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-071	SIB-071-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-071	SIB-071-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-071	SIB-071-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-071	SIB-071-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-071	SIB-071-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-071	SIB-071-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-071	SIB-071-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-071	SIB-071-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-071	SIB-071-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-071	SIB-071-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-071	SIB-071-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-071	SIB-071-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-071	SIB-071-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-071	SIB-071-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-071	SIB-071-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-071	SIB-071-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-072	SIB-072-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-072	SIB-072-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-072	SIB-072-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-072	SIB-072-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-072	SIB-072-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-072	SIB-072-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-072	SIB-072-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-072	SIB-072-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-072	SIB-072-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-072	SIB-072-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-072	SIB-072-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-072	SIB-072-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-072	SIB-072-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-072	SIB-072-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-072	SIB-072-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-072	SIB-072-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-072	SIB-072-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-072	SIB-072-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-072	SIB-072-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-072	SIB-072-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-072	SIB-072-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			
SIB-072	SIB-072-OHW	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-072	SIB-072-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-072	SIB-072-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-072	SIB-072-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-072	SIB-072-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-072	SIB-072-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-072	SIB-072-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-072	SIB-072-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-072	SIB-072-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-072	SIB-072-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-072	SIB-072-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-072	SIB-072-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-072	SIB-072-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-072	SIB-072-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-072	SIB-072-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-072	SIB-072-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA	x		
SIB-072	SIB-072-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-072	SIB-072-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-072	SIB-072-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-072	SIB-072-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-072	SIB-072-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-072	SIB-072-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-072	SIB-072-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-072	SIB-072-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA			
SIB-072	SIB-072-TOB	O/P	E1699M	ALDRIN	1	2	µg/kg	2	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	2	3	µg/kg	50	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	2	3	µg/kg	246	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050	x		
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	2	3	µg/kg	6.1	160	7,050			
SIB-072	SIB-072-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-072	SIB-072-TOB	O/P	E1699M	DIELDRIN	1	2	µg/kg	0.07	NA	NA	x		
SIB-072	SIB-072-TOB	O/P	E1699M	DIELDRIN	2	3	µg/kg	0.07	NA	NA	x		
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			x
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200		x	
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000		x	
SIB-072	SIB-072-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-072	SIB-072-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-072	SIB-072-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-072	SIB-072-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-072	SIB-072-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-072	SIB-072-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-072	SIB-072-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA	x		
SIB-072	SIB-072-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	2	3	µg/kg	1.4	NA	NA			
SIB-073	SIB-073-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-073	SIB-073-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-073	SIB-073-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-073	SIB-073-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-073	SIB-073-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-073	SIB-073-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-073	SIB-073-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-073	SIB-073-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-073	SIB-073-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-073	SIB-073-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-073	SIB-073-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-073	SIB-073-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-073	SIB-073-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-073	SIB-073-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-073	SIB-073-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-073	SIB-073-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-073	SIB-073-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-073	SIB-073-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-073	SIB-073-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-073	SIB-073-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-073	SIB-073-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-073	SIB-073-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-073	SIB-073-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-073	SIB-073-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-073	SIB-073-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-073	SIB-073-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-073	SIB-073-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-073	SIB-073-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-073	SIB-073-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-073	SIB-073-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-073	SIB-073-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-073	SIB-073-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-073	SIB-073-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-073	SIB-073-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-073	SIB-073-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-073	SIB-073-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-073	SIB-073-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-073	SIB-073-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-073	SIB-073-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-073	SIB-073-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-073	SIB-073-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-073	SIB-073-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-073	SIB-073-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			x
SIB-073	SIB-073-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-073	SIB-073-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-073	SIB-073-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-073	SIB-073-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-073	SIB-073-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-073	SIB-073-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-073	SIB-073-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-073	SIB-073-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-073	SIB-073-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-073	SIB-073-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-073	SIB-073-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-073	SIB-073-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-074	SIB-074-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-074	SIB-074-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-074	SIB-074-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-074	SIB-074-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-074	SIB-074-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-074	SIB-074-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-074	SIB-074-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-074	SIB-074-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-074	SIB-074-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-074	SIB-074-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-074	SIB-074-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-074	SIB-074-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-074	SIB-074-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-074	SIB-074-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-074	SIB-074-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-074	SIB-074-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-074	SIB-074-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-074	SIB-074-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-074	SIB-074-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-074	SIB-074-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-074	SIB-074-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-074	SIB-074-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-074	SIB-074-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-074	SIB-074-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-074	SIB-074-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-074	SIB-074-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-074	SIB-074-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-074	SIB-074-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-074	SIB-074-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-074	SIB-074-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-074	SIB-074-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-074	SIB-074-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-074	SIB-074-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-074	SIB-074-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-074	SIB-074-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-074	SIB-074-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-074	SIB-074-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-074	SIB-074-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-074	SIB-074-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			x
SIB-074	SIB-074-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-074	SIB-074-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-074	SIB-074-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-074	SIB-074-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-074	SIB-074-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-074	SIB-074-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-074	SIB-074-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-074	SIB-074-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-074	SIB-074-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-074	SIB-074-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-074	SIB-074-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-074	SIB-074-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-075	SIB-075-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-075	SIB-075-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-075	SIB-075-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-075	SIB-075-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-075	SIB-075-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-075	SIB-075-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-075	SIB-075-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-075	SIB-075-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-075	SIB-075-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-075	SIB-075-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-075	SIB-075-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-075	SIB-075-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-075	SIB-075-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-075	SIB-075-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-075	SIB-075-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-075	SIB-075-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-075	SIB-075-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-075	SIB-075-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-075	SIB-075-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-075	SIB-075-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-075	SIB-075-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-075	SIB-075-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-075	SIB-075-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-075	SIB-075-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			
SIB-075	SIB-075-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-075	SIB-075-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-075	SIB-075-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-075	SIB-075-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-075	SIB-075-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-075	SIB-075-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-075	SIB-075-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-075	SIB-075-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-075	SIB-075-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600			
SIB-075	SIB-075-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-075	SIB-075-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-075	SIB-075-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-075	SIB-075-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-075	SIB-075-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-075	SIB-075-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-075	SIB-075-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-075	SIB-075-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-075	SIB-075-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-075	SIB-075-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-075	SIB-075-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-075	SIB-075-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-075	SIB-075-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-075	SIB-075-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-075	SIB-075-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-075	SIB-075-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-075	SIB-075-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-075	SIB-075-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-076	SIB-076-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-076	SIB-076-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-076	SIB-076-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-076	SIB-076-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-076	SIB-076-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-076	SIB-076-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-076	SIB-076-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-076	SIB-076-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-076	SIB-076-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-076	SIB-076-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-076	SIB-076-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-076	SIB-076-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-076	SIB-076-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-076	SIB-076-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-076	SIB-076-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-076	SIB-076-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-076	SIB-076-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-076	SIB-076-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-076	SIB-076-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-076	SIB-076-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA	x		
SIB-076	SIB-076-MLW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	1	2	mg/kg	91	NA	NA	x		
SIB-076	SIB-076-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-076	SIB-076-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-076	SIB-076-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-076	SIB-076-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-076	SIB-076-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-076	SIB-076-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-076	SIB-076-OHW	O/P	E1699M	ALDRIN	0	1	µg/kg	2	NA	NA	x		
SIB-076	SIB-076-OHW	O/P	E1699M	GAMMA BHC (LINDANE)	0	1	µg/kg	5	NA	NA			
SIB-076	SIB-076-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-076	SIB-076-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-076	SIB-076-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-076	SIB-076-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-076	SIB-076-OHW	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-076	SIB-076-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-076	SIB-076-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-076	SIB-076-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-076	SIB-076-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-076	SIB-076-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-076	SIB-076-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-076	SIB-076-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-076	SIB-076-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-076	SIB-076-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-076	SIB-076-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-076	SIB-076-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-076	SIB-076-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-076	SIB-076-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050	x		
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-076	SIB-076-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-076	SIB-076-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-076	SIB-076-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-076	SIB-076-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-076	SIB-076-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-076	SIB-076-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-076	SIB-076-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-076	SIB-076-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-076	SIB-076-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-076	SIB-076-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-076	SIB-076-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-076	SIB-076-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-076	SIB-076-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-077	SIB-077-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-077	SIB-077-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-077	SIB-077-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-077	SIB-077-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-077	SIB-077-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-077	SIB-077-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-077	SIB-077-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-077	SIB-077-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-077	SIB-077-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-077	SIB-077-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-077	SIB-077-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-077	SIB-077-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-077	SIB-077-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-077	SIB-077-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-077	SIB-077-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600			
SIB-077	SIB-077-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-077	SIB-077-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-077	SIB-077-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-077	SIB-077-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-077	SIB-077-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-077	SIB-077-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-077	SIB-077-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-077	SIB-077-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-077	SIB-077-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-077	SIB-077-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-077	SIB-077-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-077	SIB-077-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-077	SIB-077-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			
SIB-077	SIB-077-OHW	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-077	SIB-077-OHW	O/P	E1699M	DIELDRIN	1	2	µg/kg	0.07	NA	NA	x		
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-077	SIB-077-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-077	SIB-077-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-077	SIB-077-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-077	SIB-077-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-077	SIB-077-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-077	SIB-077-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA	x		
SIB-077	SIB-077-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-077	SIB-077-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-077	SIB-077-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-077	SIB-077-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-077	SIB-077-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-077	SIB-077-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-077	SIB-077-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-077	SIB-077-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-077	SIB-077-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-077	SIB-077-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-077	SIB-077-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-077	SIB-077-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-077	SIB-077-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-077	SIB-077-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-077	SIB-077-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-077	SIB-077-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-077	SIB-077-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-077	SIB-077-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-077	SIB-077-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-077	SIB-077-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-077	SIB-077-TOB	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-077	SIB-077-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-077	SIB-077-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-078	SIB-078-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-078	SIB-078-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-078	SIB-078-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-078	SIB-078-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-078	SIB-078-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-078	SIB-078-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-078	SIB-078-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-078	SIB-078-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-078	SIB-078-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-078	SIB-078-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-078	SIB-078-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-078	SIB-078-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-078	SIB-078-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-078	SIB-078-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-078	SIB-078-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-078	SIB-078-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-078	SIB-078-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-078	SIB-078-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-078	SIB-078-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-078	SIB-078-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-078	SIB-078-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-078	SIB-078-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-078	SIB-078-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-078	SIB-078-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-078	SIB-078-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-078	SIB-078-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-078	SIB-078-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-078	SIB-078-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-078	SIB-078-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-078	SIB-078-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-078	SIB-078-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-078	SIB-078-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-078	SIB-078-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-078	SIB-078-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-078	SIB-078-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-078	SIB-078-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-078	SIB-078-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-078	SIB-078-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-078	SIB-078-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-078	SIB-078-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-078	SIB-078-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-078	SIB-078-TOB	O/P	E1699M	ALDRIN	0	1	µg/kg	2	NA	NA	x		
SIB-078	SIB-078-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-078	SIB-078-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-078	SIB-078-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-078	SIB-078-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050		x	
SIB-078	SIB-078-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-078	SIB-078-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-078	SIB-078-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-078	SIB-078-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-078	SIB-078-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-078	SIB-078-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-078	SIB-078-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-078	SIB-078-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-078	SIB-078-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-078	SIB-078-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-078	SIB-078-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-078	SIB-078-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-078	SIB-078-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-078	SIB-078-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-079	SIB-079-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-079	SIB-079-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-079	SIB-079-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-079	SIB-079-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-079	SIB-079-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-079	SIB-079-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-079	SIB-079-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-079	SIB-079-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-079	SIB-079-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-079	SIB-079-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-079	SIB-079-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-079	SIB-079-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-079	SIB-079-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-079	SIB-079-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-079	SIB-079-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-079	SIB-079-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-079	SIB-079-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-079	SIB-079-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-079	SIB-079-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-079	SIB-079-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-079	SIB-079-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-079	SIB-079-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-079	SIB-079-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-079	SIB-079-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-079	SIB-079-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-079	SIB-079-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-079	SIB-079-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-079	SIB-079-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-079	SIB-079-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-079	SIB-079-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-079	SIB-079-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-079	SIB-079-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-079	SIB-079-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-079	SIB-079-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-079	SIB-079-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-079	SIB-079-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-079	SIB-079-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-079	SIB-079-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-079	SIB-079-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-079	SIB-079-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-079	SIB-079-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-079	SIB-079-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-079	SIB-079-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-079	SIB-079-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-079	SIB-079-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-079	SIB-079-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-079	SIB-079-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-079	SIB-079-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-079	SIB-079-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-079	SIB-079-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-079	SIB-079-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-079	SIB-079-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-079	SIB-079-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-079	SIB-079-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-079	SIB-079-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-079	SIB-079-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-079	SIB-079-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-079	SIB-079-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-079	SIB-079-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-079	SIB-079-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-079	SIB-079-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-079	SIB-079-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-079	SIB-079-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-079	SIB-079-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-079	SIB-079-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-079	SIB-079-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-079	SIB-079-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-079	SIB-079-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-079	SIB-079-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-079	SIB-079-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-079	SIB-079-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-080	SIB-080-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-080	SIB-080-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-080	SIB-080-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-080	SIB-080-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-080	SIB-080-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-080	SIB-080-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-080	SIB-080-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-080	SIB-080-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			
SIB-080	SIB-080-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-080	SIB-080-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	1	2	µg/kg	23,000	30,000	NA			
SIB-080	SIB-080-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-080	SIB-080-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	1	2	µg/kg	774	NA	774,000			
SIB-080	SIB-080-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-080	SIB-080-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-080	SIB-080-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-080	SIB-080-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-080	SIB-080-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-080	SIB-080-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-080	SIB-080-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-080	SIB-080-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-080	SIB-080-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-080	SIB-080-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-080	SIB-080-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-080	SIB-080-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-080	SIB-080-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-080	SIB-080-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	1	2	µg/kg	3,080	NA	NA			
SIB-080	SIB-080-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-080	SIB-080-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-080	SIB-080-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-080	SIB-080-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-080	SIB-080-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-080	SIB-080-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-080	SIB-080-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-080	SIB-080-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-080	SIB-080-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-080	SIB-080-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-080	SIB-080-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-080	SIB-080-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-080	SIB-080-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-080	SIB-080-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-080	SIB-080-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			x
SIB-080	SIB-080-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-080	SIB-080-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200			x
SIB-080	SIB-080-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-080	SIB-080-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10			x
SIB-080	SIB-080-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-080	SIB-080-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-080	SIB-080-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-080	SIB-080-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-080	SIB-080-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-080	SIB-080-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-080	SIB-080-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-080	SIB-080-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-080	SIB-080-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-080	SIB-080-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-080	SIB-080-TOB	O/P	E1699M	GAMMA BHC (LINDANE)	0	1	µg/kg	5	NA	NA			
SIB-080	SIB-080-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-080	SIB-080-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-080	SIB-080-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-080	SIB-080-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-080	SIB-080-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-080	SIB-080-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-080	SIB-080-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-080	SIB-080-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-080	SIB-080-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-080	SIB-080-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-080	SIB-080-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-080	SIB-080-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-080	SIB-080-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-080	SIB-080-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-080	SIB-080-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-080	SIB-080-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-081	SIB-081-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-081	SIB-081-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-081	SIB-081-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-081	SIB-081-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-081	SIB-081-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-081	SIB-081-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-081	SIB-081-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-081	SIB-081-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-081	SIB-081-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-081	SIB-081-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-081	SIB-081-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-081	SIB-081-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-081	SIB-081-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-081	SIB-081-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-081	SIB-081-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-081	SIB-081-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-081	SIB-081-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-081	SIB-081-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-081	SIB-081-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-081	SIB-081-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-081	SIB-081-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-081	SIB-081-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-081	SIB-081-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-081	SIB-081-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-081	SIB-081-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-081	SIB-081-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-081	SIB-081-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-081	SIB-081-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-081	SIB-081-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-081	SIB-081-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-081	SIB-081-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-081	SIB-081-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-081	SIB-081-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-081	SIB-081-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-081	SIB-081-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-081	SIB-081-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-081	SIB-081-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-081	SIB-081-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-081	SIB-081-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-081	SIB-081-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-081	SIB-081-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-081	SIB-081-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-081	SIB-081-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-081	SIB-081-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-081	SIB-081-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-081	SIB-081-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-081	SIB-081-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-081	SIB-081-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-081	SIB-081-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-082	SIB-082-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-082	SIB-082-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-082	SIB-082-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-082	SIB-082-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-082	SIB-082-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-082	SIB-082-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-082	SIB-082-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-082	SIB-082-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-082	SIB-082-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-082	SIB-082-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-082	SIB-082-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-082	SIB-082-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-082	SIB-082-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-082	SIB-082-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-082	SIB-082-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-082	SIB-082-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-082	SIB-082-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-082	SIB-082-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-082	SIB-082-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-082	SIB-082-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-082	SIB-082-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-082	SIB-082-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-082	SIB-082-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-082	SIB-082-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-082	SIB-082-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-082	SIB-082-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-082	SIB-082-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-082	SIB-082-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-082	SIB-082-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-082	SIB-082-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-082	SIB-082-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-082	SIB-082-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-082	SIB-082-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-082	SIB-082-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-082	SIB-082-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-082	SIB-082-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-082	SIB-082-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-082	SIB-082-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-082	SIB-082-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-082	SIB-082-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-082	SIB-082-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-082	SIB-082-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-082	SIB-082-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-082	SIB-082-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-082	SIB-082-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-082	SIB-082-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-083	SIB-083-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-083	SIB-083-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-083	SIB-083-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-083	SIB-083-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-083	SIB-083-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-083	SIB-083-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-083	SIB-083-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-083	SIB-083-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-083	SIB-083-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-083	SIB-083-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-083	SIB-083-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-083	SIB-083-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-083	SIB-083-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-083	SIB-083-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-083	SIB-083-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-083	SIB-083-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-083	SIB-083-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-083	SIB-083-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-083	SIB-083-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-083	SIB-083-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-083	SIB-083-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-083	SIB-083-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-083	SIB-083-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-083	SIB-083-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-083	SIB-083-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-083	SIB-083-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-083	SIB-083-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-083	SIB-083-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-083	SIB-083-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-083	SIB-083-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-083	SIB-083-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-083	SIB-083-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-083	SIB-083-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-083	SIB-083-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-083	SIB-083-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-083	SIB-083-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-083	SIB-083-TOB	O/P	E1699M	DIELDRIN	1	2	µg/kg	0.07	NA	NA	x		
SIB-083	SIB-083-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-083	SIB-083-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-083	SIB-083-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-083	SIB-083-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-083	SIB-083-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-083	SIB-083-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-083	SIB-083-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-083	SIB-083-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-083	SIB-083-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-083	SIB-083-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-083	SIB-083-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-083	SIB-083-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-083	SIB-083-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-083	SIB-083-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-083	SIB-083-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-084	SIB-084-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-084	SIB-084-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-084	SIB-084-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-084	SIB-084-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-084	SIB-084-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-084	SIB-084-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-084	SIB-084-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-084	SIB-084-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-084	SIB-084-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-084	SIB-084-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-084	SIB-084-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-084	SIB-084-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-084	SIB-084-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-084	SIB-084-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-084	SIB-084-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-084	SIB-084-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-084	SIB-084-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-084	SIB-084-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-084	SIB-084-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-084	SIB-084-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-084	SIB-084-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-084	SIB-084-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-084	SIB-084-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-084	SIB-084-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-084	SIB-084-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-084	SIB-084-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-084	SIB-084-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-084	SIB-084-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-084	SIB-084-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-084	SIB-084-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-084	SIB-084-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-084	SIB-084-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-084	SIB-084-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-084	SIB-084-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-084	SIB-084-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-084	SIB-084-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-084	SIB-084-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-084	SIB-084-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-084	SIB-084-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-084	SIB-084-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-084	SIB-084-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-084	SIB-084-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-084	SIB-084-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-084	SIB-084-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			
SIB-084	SIB-084-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-084	SIB-084-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-084	SIB-084-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-084	SIB-084-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-084	SIB-084-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-084	SIB-084-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-084	SIB-084-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-084	SIB-084-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-084	SIB-084-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-084	SIB-084-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-085	SIB-085-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-085	SIB-085-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-085	SIB-085-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-085	SIB-085-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-085	SIB-085-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-085	SIB-085-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-085	SIB-085-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-085	SIB-085-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-085	SIB-085-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-085	SIB-085-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-085	SIB-085-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-085	SIB-085-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-085	SIB-085-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-085	SIB-085-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-085	SIB-085-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-085	SIB-085-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-085	SIB-085-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-085	SIB-085-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-085	SIB-085-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-085	SIB-085-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-085	SIB-085-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-085	SIB-085-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-085	SIB-085-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-085	SIB-085-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-085	SIB-085-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-085	SIB-085-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA	x		
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	2	3	µg/kg	114	NA	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	2	3	µg/kg	50	NA	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	2	3	µg/kg	246	NA	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050	x		
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	2	3	µg/kg	6.1	160	7,050			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-085	SIB-085-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200		x	
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-085	SIB-085-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	2	3	pg/g	9,000	75,000	200,000	x		
SIB-085	SIB-085-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-085	SIB-085-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-085	SIB-085-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-085	SIB-085-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-085	SIB-085-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-085	SIB-085-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-086	SIB-086-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-086	SIB-086-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-086	SIB-086-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-086	SIB-086-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-086	SIB-086-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-086	SIB-086-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-086	SIB-086-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-086	SIB-086-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-086	SIB-086-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-086	SIB-086-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-086	SIB-086-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-086	SIB-086-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-086	SIB-086-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-086	SIB-086-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-086	SIB-086-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-086	SIB-086-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-086	SIB-086-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-086	SIB-086-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-086	SIB-086-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-086	SIB-086-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-086	SIB-086-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-086	SIB-086-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-086	SIB-086-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-086	SIB-086-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-086	SIB-086-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-086	SIB-086-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-086	SIB-086-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-086	SIB-086-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-086	SIB-086-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-086	SIB-086-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-086	SIB-086-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-086	SIB-086-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-086	SIB-086-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-086	SIB-086-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-086	SIB-086-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-086	SIB-086-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-086	SIB-086-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-086	SIB-086-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-086	SIB-086-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-086	SIB-086-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-086	SIB-086-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-086	SIB-086-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-086	SIB-086-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-086	SIB-086-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-086	SIB-086-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-086	SIB-086-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-086	SIB-086-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-086	SIB-086-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-086	SIB-086-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-086	SIB-086-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-087	SIB-087-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-087	SIB-087-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-087	SIB-087-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-087	SIB-087-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-087	SIB-087-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-087	SIB-087-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-087	SIB-087-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-087	SIB-087-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-087	SIB-087-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-087	SIB-087-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-087	SIB-087-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400			
SIB-087	SIB-087-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-087	SIB-087-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-087	SIB-087-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600			
SIB-087	SIB-087-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-087	SIB-087-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-087	SIB-087-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-087	SIB-087-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-087	SIB-087-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-087	SIB-087-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-087	SIB-087-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-087	SIB-087-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-087	SIB-087-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-087	SIB-087-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-087	SIB-087-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-087	SIB-087-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-087	SIB-087-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			
SIB-087	SIB-087-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200			
SIB-087	SIB-087-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	2	3	pg/g	9,000	75,000	200,000			
SIB-087	SIB-087-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-087	SIB-087-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-087	SIB-087-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-087	SIB-087-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-087	SIB-087-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-087	SIB-087-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-087	SIB-087-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-087	SIB-087-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-087	SIB-087-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200			
SIB-087	SIB-087-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-087	SIB-087-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-087	SIB-087-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-087	SIB-087-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-087	SIB-087-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-087	SIB-087-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-087	SIB-087-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA	x		
SIB-087	SIB-087-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-087	SIB-087-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-087	SIB-087-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-087	SIB-087-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-087	SIB-087-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-087	SIB-087-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-087	SIB-087-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-087	SIB-087-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200		x	
SIB-087	SIB-087-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-087	SIB-087-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-087	SIB-087-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10		x	
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-087	SIB-087-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	1	10	x		
SIB-087	SIB-087-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-087	SIB-087-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-088	SIB-088-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-088	SIB-088-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-088	SIB-088-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	1	2	µg/kg	23,000	30,000	NA			
SIB-088	SIB-088-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-088	SIB-088-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-088	SIB-088-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-088	SIB-088-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-088	SIB-088-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400			
SIB-088	SIB-088-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-088	SIB-088-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-088	SIB-088-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-088	SIB-088-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-088	SIB-088-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-088	SIB-088-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-088	SIB-088-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-088	SIB-088-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-088	SIB-088-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-088	SIB-088-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-088	SIB-088-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-088	SIB-088-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-088	SIB-088-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-088	SIB-088-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-088	SIB-088-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-088	SIB-088-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-088	SIB-088-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-088	SIB-088-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-088	SIB-088-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-088	SIB-088-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-088	SIB-088-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-088	SIB-088-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-088	SIB-088-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-088	SIB-088-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-088	SIB-088-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-088	SIB-088-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-088	SIB-088-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-088	SIB-088-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-088	SIB-088-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-088	SIB-088-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-088	SIB-088-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-088	SIB-088-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-088	SIB-088-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-088	SIB-088-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-088	SIB-088-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-088	SIB-088-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-088	SIB-088-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-088	SIB-088-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-088	SIB-088-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-088	SIB-088-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-088	SIB-088-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-088	SIB-088-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-088	SIB-088-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-088	SIB-088-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-088	SIB-088-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-088	SIB-088-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-088	SIB-088-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-088	SIB-088-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-088	SIB-088-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-089	SIB-089-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-089	SIB-089-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-089	SIB-089-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-089	SIB-089-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-089	SIB-089-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-089	SIB-089-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-089	SIB-089-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-089	SIB-089-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-089	SIB-089-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-089	SIB-089-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			
SIB-089	SIB-089-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-089	SIB-089-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-089	SIB-089-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-089	SIB-089-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-089	SIB-089-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-089	SIB-089-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-089	SIB-089-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-089	SIB-089-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-089	SIB-089-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-089	SIB-089-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-089	SIB-089-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-089	SIB-089-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-089	SIB-089-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-089	SIB-089-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-089	SIB-089-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-089	SIB-089-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-089	SIB-089-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-089	SIB-089-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA	x		
SIB-089	SIB-089-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-089	SIB-089-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-089	SIB-089-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-089	SIB-089-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-089	SIB-089-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-089	SIB-089-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050	x		
SIB-089	SIB-089-OHW	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-089	SIB-089-OHW	O/P	E1699M	DIELDRIN	1	2	µg/kg	0.07	NA	NA	x		
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-089	SIB-089-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-089	SIB-089-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-089	SIB-089-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-089	SIB-089-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10		x	
SIB-089	SIB-089-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-089	SIB-089-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA	x		
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-089	SIB-089-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA	x		
SIB-089	SIB-089-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-089	SIB-089-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-089	SIB-089-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-089	SIB-089-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-089	SIB-089-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-089	SIB-089-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-089	SIB-089-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-089	SIB-089-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-089	SIB-089-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-089	SIB-089-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-089	SIB-089-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-089	SIB-089-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-089	SIB-089-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-089	SIB-089-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-089	SIB-089-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-089	SIB-089-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-089	SIB-089-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-089	SIB-089-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-089	SIB-089-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-090	SIB-090-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-090	SIB-090-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-090	SIB-090-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-090	SIB-090-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-090	SIB-090-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-090	SIB-090-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-090	SIB-090-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-090	SIB-090-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-090	SIB-090-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			
SIB-090	SIB-090-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-090	SIB-090-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-090	SIB-090-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-090	SIB-090-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400			
SIB-090	SIB-090-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-090	SIB-090-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-090	SIB-090-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-090	SIB-090-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-090	SIB-090-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-090	SIB-090-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-090	SIB-090-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-090	SIB-090-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-090	SIB-090-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA	x		
SIB-090	SIB-090-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-090	SIB-090-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-090	SIB-090-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA	x		
SIB-090	SIB-090-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-090	SIB-090-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-090	SIB-090-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-090	SIB-090-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000		x	
SIB-090	SIB-090-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-090	SIB-090-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-090	SIB-090-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10		x	
SIB-090	SIB-090-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-090	SIB-090-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA	x		
SIB-090	SIB-090-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-090	SIB-090-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	1	2	mg/kg	91	NA	NA	x		
SIB-090	SIB-090-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-090	SIB-090-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-090	SIB-090-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-090	SIB-090-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-090	SIB-090-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-090	SIB-090-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-090	SIB-090-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-090	SIB-090-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-090	SIB-090-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-090	SIB-090-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-090	SIB-090-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-090	SIB-090-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-090	SIB-090-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-090	SIB-090-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-090	SIB-090-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-090	SIB-090-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-090	SIB-090-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-090	SIB-090-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-090	SIB-090-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-090	SIB-090-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-090	SIB-090-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-090	SIB-090-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-090	SIB-090-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-090	SIB-090-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-090	SIB-090-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-090	SIB-090-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-090	SIB-090-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-090	SIB-090-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-090	SIB-090-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-091	SIB-091-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-091	SIB-091-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-091	SIB-091-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-091	SIB-091-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-091	SIB-091-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-091	SIB-091-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-091	SIB-091-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-091	SIB-091-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-091	SIB-091-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-091	SIB-091-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200			
SIB-091	SIB-091-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-091	SIB-091-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10			
SIB-091	SIB-091-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-091	SIB-091-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-091	SIB-091-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-091	SIB-091-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-091	SIB-091-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-091	SIB-091-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-091	SIB-091-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-091	SIB-091-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-091	SIB-091-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-091	SIB-091-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-091	SIB-091-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-091	SIB-091-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-091	SIB-091-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-091	SIB-091-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-091	SIB-091-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-091	SIB-091-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-091	SIB-091-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-091	SIB-091-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-091	SIB-091-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-091	SIB-091-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-091	SIB-091-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-091	SIB-091-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-091	SIB-091-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-091	SIB-091-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-091	SIB-091-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-091	SIB-091-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA	x		
SIB-091	SIB-091-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA	x		
SIB-091	SIB-091-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-091	SIB-091-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-091	SIB-091-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-091	SIB-091-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA	x		
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-091	SIB-091-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-091	SIB-091-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200		x	
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-091	SIB-091-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-091	SIB-091-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-091	SIB-091-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-091	SIB-091-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	1	10		x	
SIB-091	SIB-091-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-091	SIB-091-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-091	SIB-091-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-092	SIB-092-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-092	SIB-092-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-092	SIB-092-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-092	SIB-092-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-092	SIB-092-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-092	SIB-092-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-092	SIB-092-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-092	SIB-092-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-092	SIB-092-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-092	SIB-092-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-092	SIB-092-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-092	SIB-092-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-092	SIB-092-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-092	SIB-092-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-092	SIB-092-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-092	SIB-092-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-092	SIB-092-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-092	SIB-092-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-092	SIB-092-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-092	SIB-092-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-092	SIB-092-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-092	SIB-092-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-092	SIB-092-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-092	SIB-092-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-092	SIB-092-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-092	SIB-092-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-092	SIB-092-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-092	SIB-092-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-092	SIB-092-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-092	SIB-092-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-092	SIB-092-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-092	SIB-092-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-092	SIB-092-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-092	SIB-092-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-092	SIB-092-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-092	SIB-092-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-092	SIB-092-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-092	SIB-092-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-092	SIB-092-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-092	SIB-092-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-092	SIB-092-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-092	SIB-092-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-092	SIB-092-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-092	SIB-092-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-092	SIB-092-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-092	SIB-092-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-092	SIB-092-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-092	SIB-092-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-092	SIB-092-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-092	SIB-092-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-092	SIB-092-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-092	SIB-092-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-092	SIB-092-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-092	SIB-092-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050	x		
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-092	SIB-092-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-092	SIB-092-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-092	SIB-092-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-092	SIB-092-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10			x
SIB-092	SIB-092-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10		x	
SIB-092	SIB-092-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-092	SIB-092-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-093	SIB-093-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-093	SIB-093-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-093	SIB-093-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-093	SIB-093-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-093	SIB-093-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-093	SIB-093-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-093	SIB-093-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-093	SIB-093-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-093	SIB-093-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-093	SIB-093-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-093	SIB-093-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-093	SIB-093-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-093	SIB-093-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-093	SIB-093-OHW	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-093	SIB-093-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-093	SIB-093-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-093	SIB-093-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-093	SIB-093-OHW	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA	x		
SIB-093	SIB-093-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-093	SIB-093-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-093	SIB-093-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-093	SIB-093-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-093	SIB-093-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-093	SIB-093-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-093	SIB-093-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-093	SIB-093-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200		x	
SIB-093	SIB-093-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-093	SIB-093-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-093	SIB-093-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-093	SIB-093-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	1	10	x		
SIB-093	SIB-093-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-093	SIB-093-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-093	SIB-093-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-093	SIB-093-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-093	SIB-093-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-093	SIB-093-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-093	SIB-093-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-093	SIB-093-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-093	SIB-093-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA	x		
SIB-093	SIB-093-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-093	SIB-093-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-093	SIB-093-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-093	SIB-093-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-093	SIB-093-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-093	SIB-093-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-093	SIB-093-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-093	SIB-093-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200	x		
SIB-093	SIB-093-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-093	SIB-093-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-093	SIB-093-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-093	SIB-093-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-093	SIB-093-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	1	10	x		
SIB-093	SIB-093-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-093	SIB-093-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-094	SIB-094-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-094	SIB-094-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-094	SIB-094-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-094	SIB-094-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-094	SIB-094-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-094	SIB-094-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-094	SIB-094-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-094	SIB-094-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-094	SIB-094-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-094	SIB-094-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-094	SIB-094-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-094	SIB-094-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-094	SIB-094-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-094	SIB-094-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-094	SIB-094-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-094	SIB-094-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-094	SIB-094-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-094	SIB-094-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-094	SIB-094-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-094	SIB-094-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-094	SIB-094-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-094	SIB-094-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-094	SIB-094-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-094	SIB-094-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-094	SIB-094-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-094	SIB-094-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-094	SIB-094-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-094	SIB-094-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-094	SIB-094-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-094	SIB-094-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-094	SIB-094-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-094	SIB-094-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-094	SIB-094-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-094	SIB-094-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-094	SIB-094-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-094	SIB-094-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-094	SIB-094-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-094	SIB-094-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-094	SIB-094-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA	x		
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	2	3	µg/kg	114	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	2	3	µg/kg	50	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	2	3	µg/kg	246	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050	x		
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	2	3	µg/kg	6.1	160	7,050	x		
SIB-094	SIB-094-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-094	SIB-094-TOB	O/P	E1699M	DIELDRIN	1	2	µg/kg	0.07	NA	NA	x		
SIB-094	SIB-094-TOB	O/P	E1699M	DIELDRIN	2	3	µg/kg	0.07	NA	NA	x		
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA	x		
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	1	2	µg/kg	23,000	30,000	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	2	3	µg/kg	23,000	30,000	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-094	SIB-094-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	1	2	µg/kg	774	NA	774,000	x		
SIB-094	SIB-094-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	2	3	µg/kg	774	NA	774,000			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200		x	
SIB-094	SIB-094-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-094	SIB-094-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-094	SIB-094-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-094	SIB-094-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-094	SIB-094-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-094	SIB-094-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA	x		
SIB-094	SIB-094-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2	3	µg/kg	135	NA	NA			
SIB-094	SIB-094-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-094	SIB-094-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	1	2	µg/kg	3,080	NA	NA			
SIB-094	SIB-094-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	2	3	µg/kg	3,080	NA	NA			
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-094	SIB-094-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA	x		
SIB-095	SIB-095-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-095	SIB-095-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-095	SIB-095-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-095	SIB-095-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-095	SIB-095-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-095	SIB-095-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-095	SIB-095-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-095	SIB-095-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-095	SIB-095-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-095	SIB-095-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-095	SIB-095-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-095	SIB-095-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-095	SIB-095-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-095	SIB-095-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-095	SIB-095-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-095	SIB-095-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-095	SIB-095-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-095	SIB-095-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-095	SIB-095-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-095	SIB-095-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-095	SIB-095-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-095	SIB-095-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-095	SIB-095-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-095	SIB-095-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-095	SIB-095-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-095	SIB-095-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-095	SIB-095-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-095	SIB-095-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-095	SIB-095-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-095	SIB-095-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-095	SIB-095-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-095	SIB-095-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-095	SIB-095-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-095	SIB-095-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-095	SIB-095-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-095	SIB-095-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-095	SIB-095-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-095	SIB-095-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-095	SIB-095-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-095	SIB-095-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA	x		
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-095	SIB-095-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200	x		
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-095	SIB-095-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-095	SIB-095-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-095	SIB-095-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-095	SIB-095-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-095	SIB-095-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-095	SIB-095-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-095	SIB-095-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-096	SIB-096-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-096	SIB-096-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-096	SIB-096-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-096	SIB-096-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-096	SIB-096-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-096	SIB-096-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-096	SIB-096-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-096	SIB-096-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-096	SIB-096-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-096	SIB-096-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-096	SIB-096-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-096	SIB-096-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-096	SIB-096-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-096	SIB-096-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-096	SIB-096-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-096	SIB-096-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-096	SIB-096-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-096	SIB-096-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-096	SIB-096-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-096	SIB-096-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-096	SIB-096-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-096	SIB-096-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-096	SIB-096-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-096	SIB-096-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-096	SIB-096-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-096	SIB-096-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-096	SIB-096-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-096	SIB-096-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-096	SIB-096-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-096	SIB-096-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-096	SIB-096-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-096	SIB-096-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-096	SIB-096-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-096	SIB-096-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-096	SIB-096-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-096	SIB-096-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-096	SIB-096-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-096	SIB-096-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-096	SIB-096-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-096	SIB-096-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-096	SIB-096-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-096	SIB-096-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-096	SIB-096-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-096	SIB-096-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-096	SIB-096-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-096	SIB-096-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-096	SIB-096-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-096	SIB-096-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-096	SIB-096-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-097	SIB-097-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-097	SIB-097-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-097	SIB-097-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-097	SIB-097-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-097	SIB-097-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-097	SIB-097-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-097	SIB-097-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-097	SIB-097-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-097	SIB-097-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-097	SIB-097-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-097	SIB-097-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-097	SIB-097-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-097	SIB-097-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-097	SIB-097-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-097	SIB-097-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-097	SIB-097-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-097	SIB-097-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-097	SIB-097-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-097	SIB-097-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-097	SIB-097-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-097	SIB-097-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-097	SIB-097-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-097	SIB-097-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-097	SIB-097-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-097	SIB-097-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-097	SIB-097-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-097	SIB-097-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-097	SIB-097-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-097	SIB-097-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-097	SIB-097-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-097	SIB-097-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-097	SIB-097-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-097	SIB-097-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-097	SIB-097-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-097	SIB-097-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-097	SIB-097-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-097	SIB-097-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-097	SIB-097-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-097	SIB-097-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-097	SIB-097-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-097	SIB-097-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-097	SIB-097-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-097	SIB-097-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-097	SIB-097-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-097	SIB-097-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-097	SIB-097-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-097	SIB-097-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-097	SIB-097-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-097	SIB-097-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-097	SIB-097-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-097	SIB-097-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-097	SIB-097-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-097	SIB-097-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-097	SIB-097-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-097	SIB-097-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-097	SIB-097-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-097	SIB-097-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-097	SIB-097-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-097	SIB-097-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-097	SIB-097-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-097	SIB-097-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-097	SIB-097-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-097	SIB-097-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-097	SIB-097-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-097	SIB-097-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-097	SIB-097-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-097	SIB-097-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA	x		
SIB-097	SIB-097-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-097	SIB-097-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-098	SIB-098-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-098	SIB-098-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-098	SIB-098-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-098	SIB-098-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-098	SIB-098-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-098	SIB-098-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-098	SIB-098-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-098	SIB-098-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-098	SIB-098-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-098	SIB-098-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-098	SIB-098-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-098	SIB-098-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-098	SIB-098-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-098	SIB-098-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-098	SIB-098-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-098	SIB-098-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-098	SIB-098-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-098	SIB-098-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-098	SIB-098-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-098	SIB-098-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-098	SIB-098-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-098	SIB-098-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-098	SIB-098-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-098	SIB-098-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-098	SIB-098-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-098	SIB-098-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-098	SIB-098-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-098	SIB-098-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200	x		
SIB-098	SIB-098-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-098	SIB-098-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-098	SIB-098-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-098	SIB-098-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-098	SIB-098-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-098	SIB-098-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-098	SIB-098-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-098	SIB-098-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-098	SIB-098-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-098	SIB-098-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-098	SIB-098-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-098	SIB-098-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-098	SIB-098-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-098	SIB-098-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-098	SIB-098-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-098	SIB-098-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-098	SIB-098-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-098	SIB-098-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-098	SIB-098-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA	x		
SIB-098	SIB-098-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA			
SIB-098	SIB-098-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-098	SIB-098-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-098	SIB-098-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-098	SIB-098-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-098	SIB-098-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-098	SIB-098-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-098	SIB-098-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-098	SIB-098-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200		x	
SIB-098	SIB-098-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	2	3	pg/g	9,000	75,000	200,000		x	

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-098	SIB-098-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-098	SIB-098-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-098	SIB-098-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-098	SIB-098-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-098	SIB-098-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-099	SIB-099-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-099	SIB-099-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-099	SIB-099-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-099	SIB-099-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-099	SIB-099-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-099	SIB-099-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-099	SIB-099-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-099	SIB-099-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-099	SIB-099-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-099	SIB-099-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-099	SIB-099-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-099	SIB-099-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-099	SIB-099-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-099	SIB-099-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-099	SIB-099-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-099	SIB-099-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-099	SIB-099-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-099	SIB-099-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-099	SIB-099-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-099	SIB-099-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-099	SIB-099-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-099	SIB-099-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-099	SIB-099-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-099	SIB-099-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-099	SIB-099-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-099	SIB-099-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-099	SIB-099-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-099	SIB-099-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-099	SIB-099-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-099	SIB-099-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-099	SIB-099-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-099	SIB-099-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-099	SIB-099-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-099	SIB-099-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-099	SIB-099-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-099	SIB-099-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-099	SIB-099-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-099	SIB-099-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-099	SIB-099-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-099	SIB-099-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-099	SIB-099-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-099	SIB-099-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-099	SIB-099-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-099	SIB-099-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-099	SIB-099-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-099	SIB-099-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-099	SIB-099-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-099	SIB-099-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-099	SIB-099-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200	x		
SIB-099	SIB-099-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-099	SIB-099-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-099	SIB-099-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-099	SIB-099-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-099	SIB-099-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-099	SIB-099-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-099	SIB-099-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-100	SIB-100-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-100	SIB-100-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-100	SIB-100-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-100	SIB-100-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-100	SIB-100-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-100	SIB-100-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-100	SIB-100-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-100	SIB-100-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-100	SIB-100-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-100	SIB-100-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-100	SIB-100-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-100	SIB-100-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-100	SIB-100-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-100	SIB-100-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-100	SIB-100-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-100	SIB-100-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-100	SIB-100-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-100	SIB-100-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-100	SIB-100-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-100	SIB-100-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-100	SIB-100-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-100	SIB-100-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-100	SIB-100-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-100	SIB-100-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-100	SIB-100-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-100	SIB-100-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-100	SIB-100-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-100	SIB-100-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-100	SIB-100-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-100	SIB-100-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-100	SIB-100-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-100	SIB-100-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-100	SIB-100-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-100	SIB-100-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-100	SIB-100-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-100	SIB-100-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-100	SIB-100-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-100	SIB-100-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-100	SIB-100-TOB	O/P	E1699M	DIELDRIN	2	3	µg/kg	0.07	NA	NA	x		
SIB-100	SIB-100-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-100	SIB-100-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-100	SIB-100-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-100	SIB-100-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-100	SIB-100-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200	x		
SIB-100	SIB-100-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-100	SIB-100-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-100	SIB-100-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-100	SIB-100-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-100	SIB-100-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-100	SIB-100-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-100	SIB-100-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-100	SIB-100-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-100	SIB-100-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-100	SIB-100-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-100	SIB-100-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-100	SIB-100-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-100	SIB-100-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-100	SIB-100-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2	3	µg/kg	135	NA	NA			
SIB-100	SIB-100-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-101	SIB-101-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-101	SIB-101-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-101	SIB-101-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-101	SIB-101-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-101	SIB-101-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-101	SIB-101-MLW	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-101	SIB-101-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-101	SIB-101-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-101	SIB-101-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-101	SIB-101-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-101	SIB-101-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-101	SIB-101-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-101	SIB-101-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-101	SIB-101-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-101	SIB-101-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-101	SIB-101-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-101	SIB-101-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-101	SIB-101-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-101	SIB-101-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-101	SIB-101-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-101	SIB-101-OHW	O/P	E1699M	DIELDRIN	2	3	µg/kg	0.07	NA	NA	x		
SIB-101	SIB-101-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-101	SIB-101-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-101	SIB-101-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-101	SIB-101-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-101	SIB-101-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-101	SIB-101-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-101	SIB-101-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-101	SIB-101-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-101	SIB-101-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-101	SIB-101-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-101	SIB-101-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-101	SIB-101-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-101	SIB-101-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-101	SIB-101-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-101	SIB-101-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-101	SIB-101-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-101	SIB-101-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-101	SIB-101-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-101	SIB-101-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-101	SIB-101-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-101	SIB-101-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-101	SIB-101-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-101	SIB-101-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-102	SIB-102-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-102	SIB-102-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-102	SIB-102-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-102	SIB-102-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-102	SIB-102-MLW	O/P	E1699M	DIELDRIN	1	2	µg/kg	0.07	NA	NA	x		
SIB-102	SIB-102-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-102	SIB-102-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-102	SIB-102-MLW	PAHs	SW8270D-SIM	NAPHTHALENE	0	1	µg/kg	NA	NA	140,000			
SIB-102	SIB-102-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-102	SIB-102-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-102	SIB-102-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-102	SIB-102-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-102	SIB-102-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-102	SIB-102-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			
SIB-102	SIB-102-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10			
SIB-102	SIB-102-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-102	SIB-102-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-102	SIB-102-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-102	SIB-102-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-102	SIB-102-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-102	SIB-102-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-102	SIB-102-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-102	SIB-102-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-102	SIB-102-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-102	SIB-102-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-102	SIB-102-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-102	SIB-102-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-102	SIB-102-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-102	SIB-102-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-102	SIB-102-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-102	SIB-102-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-102	SIB-102-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-102	SIB-102-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-102	SIB-102-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-102	SIB-102-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200			
SIB-102	SIB-102-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-102	SIB-102-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-102	SIB-102-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-102	SIB-102-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA	x		
SIB-102	SIB-102-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-102	SIB-102-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-102	SIB-102-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-102	SIB-102-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-102	SIB-102-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-102	SIB-102-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-102	SIB-102-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200	x		
SIB-102	SIB-102-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-102	SIB-102-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-102	SIB-102-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-102	SIB-102-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10			
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10			
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-102	SIB-102-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-102	SIB-102-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-102	SIB-102-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-102	SIB-102-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2	3	µg/kg	135	NA	NA			
SIB-102	SIB-102-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-103	SIB-103-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-103	SIB-103-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-103	SIB-103-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-103	SIB-103-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-103	SIB-103-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-103	SIB-103-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-103	SIB-103-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-103	SIB-103-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-103	SIB-103-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-103	SIB-103-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-103	SIB-103-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-103	SIB-103-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-103	SIB-103-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-103	SIB-103-OHW	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA			
SIB-103	SIB-103-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-103	SIB-103-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-103	SIB-103-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-103	SIB-103-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-103	SIB-103-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	2	3	pg/g	9,000	75,000	200,000			
SIB-103	SIB-103-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-103	SIB-103-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-103	SIB-103-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-103	SIB-103-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-103	SIB-103-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10			
SIB-103	SIB-103-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200			
SIB-103	SIB-103-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-103	SIB-103-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-103	SIB-103-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-103	SIB-103-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-103	SIB-103-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-103	SIB-103-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-103	SIB-103-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-103	SIB-103-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-103	SIB-103-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-103	SIB-103-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-103	SIB-103-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-103	SIB-103-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-103	SIB-103-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-103	SIB-103-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-103	SIB-103-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-103	SIB-103-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-103	SIB-103-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-103	SIB-103-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-103	SIB-103-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-103	SIB-103-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-104	SIB-104-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-104	SIB-104-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-104	SIB-104-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-104	SIB-104-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-104	SIB-104-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-104	SIB-104-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-104	SIB-104-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-104	SIB-104-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-104	SIB-104-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-104	SIB-104-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-104	SIB-104-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-104	SIB-104-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-104	SIB-104-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-104	SIB-104-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-104	SIB-104-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-104	SIB-104-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-104	SIB-104-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-104	SIB-104-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-104	SIB-104-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-104	SIB-104-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-104	SIB-104-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-104	SIB-104-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-104	SIB-104-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-104	SIB-104-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-104	SIB-104-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-104	SIB-104-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-104	SIB-104-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-104	SIB-104-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-104	SIB-104-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-104	SIB-104-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-104	SIB-104-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-104	SIB-104-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-104	SIB-104-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-104	SIB-104-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-104	SIB-104-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-104	SIB-104-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10			
SIB-104	SIB-104-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-104	SIB-104-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-104	SIB-104-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-104	SIB-104-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-104	SIB-104-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-104	SIB-104-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-104	SIB-104-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-104	SIB-104-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-104	SIB-104-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			x
SIB-104	SIB-104-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-104	SIB-104-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-104	SIB-104-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-104	SIB-104-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-104	SIB-104-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-104	SIB-104-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-104	SIB-104-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-104	SIB-104-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-104	SIB-104-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10			
SIB-104	SIB-104-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10		x	
SIB-104	SIB-104-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-104	SIB-104-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-104	SIB-104-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-105	SIB-105-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-105	SIB-105-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-105	SIB-105-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-105	SIB-105-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-105	SIB-105-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-105	SIB-105-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-105	SIB-105-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-105	SIB-105-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-105	SIB-105-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-105	SIB-105-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-105	SIB-105-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-105	SIB-105-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-105	SIB-105-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-105	SIB-105-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-105	SIB-105-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-105	SIB-105-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-105	SIB-105-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-105	SIB-105-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-105	SIB-105-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-105	SIB-105-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-105	SIB-105-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-105	SIB-105-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-105	SIB-105-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-105	SIB-105-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-105	SIB-105-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-105	SIB-105-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-105	SIB-105-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-105	SIB-105-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-105	SIB-105-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-105	SIB-105-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-105	SIB-105-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-105	SIB-105-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-105	SIB-105-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-105	SIB-105-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-105	SIB-105-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-105	SIB-105-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-105	SIB-105-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-106	SIB-106-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-106	SIB-106-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-106	SIB-106-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-106	SIB-106-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-106	SIB-106-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-106	SIB-106-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-106	SIB-106-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-106	SIB-106-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-106	SIB-106-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-106	SIB-106-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-106	SIB-106-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-106	SIB-106-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-106	SIB-106-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-106	SIB-106-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-106	SIB-106-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-106	SIB-106-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-106	SIB-106-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-106	SIB-106-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-106	SIB-106-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-106	SIB-106-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-106	SIB-106-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-106	SIB-106-TOB	O/P	E1699M	GAMMA BHC (LINDANE)	0	1	µg/kg	5	NA	NA			
SIB-106	SIB-106-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-106	SIB-106-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-106	SIB-106-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-106	SIB-106-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-106	SIB-106-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-106	SIB-106-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-106	SIB-106-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-106	SIB-106-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-106	SIB-106-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-106	SIB-106-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-106	SIB-106-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-106	SIB-106-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-106	SIB-106-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-106	SIB-106-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-106	SIB-106-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-106	SIB-106-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-106	SIB-106-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-106	SIB-106-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-106	SIB-106-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-106	SIB-106-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-106	SIB-106-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-106	SIB-106-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-106	SIB-106-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-107	SIB-107-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-107	SIB-107-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-107	SIB-107-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-107	SIB-107-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-107	SIB-107-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-107	SIB-107-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-107	SIB-107-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-107	SIB-107-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-107	SIB-107-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-107	SIB-107-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-107	SIB-107-OHW	PAHs	SW8270D-SIM	NAPHTHALENE	0	1	µg/kg	NA	NA	140,000			
SIB-107	SIB-107-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-107	SIB-107-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-107	SIB-107-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-107	SIB-107-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-107	SIB-107-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-107	SIB-107-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-107	SIB-107-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-107	SIB-107-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-107	SIB-107-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-107	SIB-107-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-107	SIB-107-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-107	SIB-107-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-107	SIB-107-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-107	SIB-107-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-107	SIB-107-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-107	SIB-107-TOB	O/P	E1699M	GAMMA BHC (LINDANE)	0	1	µg/kg	5	NA	NA			
SIB-107	SIB-107-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-107	SIB-107-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-107	SIB-107-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-107	SIB-107-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-107	SIB-107-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-107	SIB-107-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-107	SIB-107-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-107	SIB-107-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-107	SIB-107-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-107	SIB-107-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-107	SIB-107-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-107	SIB-107-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-107	SIB-107-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-107	SIB-107-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-107	SIB-107-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-107	SIB-107-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-107	SIB-107-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-108	SIB-108-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-108	SIB-108-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-108	SIB-108-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-108	SIB-108-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-108	SIB-108-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-108	SIB-108-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-108	SIB-108-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-108	SIB-108-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-108	SIB-108-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-108	SIB-108-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-108	SIB-108-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-108	SIB-108-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-108	SIB-108-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-108	SIB-108-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-108	SIB-108-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-108	SIB-108-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-108	SIB-108-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-108	SIB-108-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-108	SIB-108-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-108	SIB-108-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-109	SIB-109-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-109	SIB-109-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-109	SIB-109-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-109	SIB-109-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-109	SIB-109-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-109	SIB-109-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-109	SIB-109-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-109	SIB-109-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-109	SIB-109-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-109	SIB-109-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA		x	
SIB-109	SIB-109-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-109	SIB-109-OHW	PAHs	SW8270D-SIM	NAPHTHALENE	0	1	µg/kg	NA	NA	140,000			
SIB-109	SIB-109-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-109	SIB-109-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-109	SIB-109-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-109	SIB-109-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-109	SIB-109-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-109	SIB-109-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-109	SIB-109-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-109	SIB-109-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-109	SIB-109-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-109	SIB-109-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-109	SIB-109-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-109	SIB-109-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-109	SIB-109-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-109	SIB-109-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-109	SIB-109-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-109	SIB-109-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-109	SIB-109-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-109	SIB-109-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-109	SIB-109-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-109	SIB-109-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-109	SIB-109-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-109	SIB-109-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-109	SIB-109-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-109	SIB-109-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-109	SIB-109-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-109	SIB-109-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-109	SIB-109-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-109	SIB-109-TOB	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-109	SIB-109-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-109	SIB-109-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-110	SIB-110-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-110	SIB-110-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-110	SIB-110-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-110	SIB-110-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-110	SIB-110-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-110	SIB-110-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-110	SIB-110-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-110	SIB-110-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-110	SIB-110-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-110	SIB-110-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-110	SIB-110-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10			
SIB-110	SIB-110-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-110	SIB-110-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200			
SIB-110	SIB-110-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-110	SIB-110-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-110	SIB-110-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-110	SIB-110-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-110	SIB-110-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-110	SIB-110-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-110	SIB-110-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-110	SIB-110-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-110	SIB-110-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-110	SIB-110-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-110	SIB-110-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-110	SIB-110-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-110	SIB-110-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-110	SIB-110-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-110	SIB-110-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-110	SIB-110-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-110	SIB-110-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600			
SIB-110	SIB-110-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-110	SIB-110-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-111	SIB-111-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-111	SIB-111-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-111	SIB-111-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-111	SIB-111-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-111	SIB-111-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-111	SIB-111-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-111	SIB-111-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-111	SIB-111-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-111	SIB-111-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-111	SIB-111-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-111	SIB-111-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-111	SIB-111-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-111	SIB-111-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-111	SIB-111-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-111	SIB-111-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-112	SIB-112-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-112	SIB-112-MLW	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-112	SIB-112-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-112	SIB-112-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-112	SIB-112-MLW	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA			
SIB-112	SIB-112-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-112	SIB-112-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-112	SIB-112-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-112	SIB-112-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-112	SIB-112-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-112	SIB-112-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-112	SIB-112-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200			
SIB-112	SIB-112-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-112	SIB-112-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-112	SIB-112-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-112	SIB-112-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-112	SIB-112-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-112	SIB-112-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-112	SIB-112-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-112	SIB-112-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200			
SIB-112	SIB-112-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600			
SIB-112	SIB-112-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600			
SIB-112	SIB-112-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-112	SIB-112-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-112	SIB-112-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-112	SIB-112-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-112	SIB-112-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-112	SIB-112-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-112	SIB-112-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-112	SIB-112-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-112	SIB-112-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-112	SIB-112-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-112	SIB-112-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-112	SIB-112-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-112	SIB-112-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-112	SIB-112-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-112	SIB-112-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-112	SIB-112-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-112	SIB-112-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-112	SIB-112-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-112	SIB-112-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-112	SIB-112-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-112	SIB-112-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-112	SIB-112-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA			
SIB-112	SIB-112-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-112	SIB-112-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-112	SIB-112-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-112	SIB-112-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-112	SIB-112-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-112	SIB-112-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-112	SIB-112-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200	x		
SIB-112	SIB-112-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-112	SIB-112-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-112	SIB-112-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-112	SIB-112-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-112	SIB-112-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-112	SIB-112-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-112	SIB-112-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-112	SIB-112-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-112	SIB-112-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-112	SIB-112-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-112	SIB-112-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-112	SIB-112-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-112	SIB-112-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-113	SIB-113-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-113	SIB-113-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-113	SIB-113-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-113	SIB-113-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-113	SIB-113-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-113	SIB-113-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-113	SIB-113-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-113	SIB-113-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-113	SIB-113-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-113	SIB-113-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000			
SIB-113	SIB-113-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-113	SIB-113-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-113	SIB-113-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-113	SIB-113-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-113	SIB-113-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-113	SIB-113-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10			x
SIB-113	SIB-113-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-113	SIB-113-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-113	SIB-113-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-113	SIB-113-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10		x	
SIB-113	SIB-113-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-113	SIB-113-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-114	SIB-114-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-114	SIB-114-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-114	SIB-114-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-114	SIB-114-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-114	SIB-114-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-114	SIB-114-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-114	SIB-114-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-114	SIB-114-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-114	SIB-114-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-114	SIB-114-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-114	SIB-114-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-114	SIB-114-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-114	SIB-114-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-114	SIB-114-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-114	SIB-114-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-114	SIB-114-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-114	SIB-114-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-114	SIB-114-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-114	SIB-114-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-114	SIB-114-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	LEAD	2	3	mg/kg	196	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-114	SIB-114-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-114	SIB-114-TOB	Metals	SW6020B	ARSENIC	2	3	mg/kg	3	NA	NA	x		
SIB-114	SIB-114-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	CADMIUM	2	3	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-114	SIB-114-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	COPPER	2	3	mg/kg	359	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW6020B	ZINC	2	3	mg/kg	459	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-114	SIB-114-TOB	Metals	SW7471B	MERCURY	2	3	mg/kg	0.085	NA	NA			
SIB-114	SIB-114-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-114	SIB-114-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-114	SIB-114-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-114	SIB-114-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-114	SIB-114-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-114	SIB-114-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-114	SIB-114-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	2	3	µg/kg	9	75	200	x		
SIB-114	SIB-114-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-114	SIB-114-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-114	SIB-114-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-114	SIB-114-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	2	3	pg/g	10	NA	NA			
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2	3	pg/g	0.4	NA	400	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	3	pg/g	0.2	2.5	10	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	3	pg/g	0.3	200	200	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	2	3	pg/g	0.4066	NA	600	x		
SIB-114	SIB-114-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-114	SIB-114-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-114	SIB-114-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-114	SIB-114-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	2	3	µg/kg	135	NA	NA	x		
SIB-114	SIB-114-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-115	SIB-115-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-115	SIB-115-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-115	SIB-115-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-115	SIB-115-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-115	SIB-115-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-115	SIB-115-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-115	SIB-115-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-115	SIB-115-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-115	SIB-115-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-115	SIB-115-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-115	SIB-115-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-115	SIB-115-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-115	SIB-115-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-115	SIB-115-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-115	SIB-115-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-115	SIB-115-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-115	SIB-115-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-115	SIB-115-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-115	SIB-115-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-115	SIB-115-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-115	SIB-115-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-115	SIB-115-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-115	SIB-115-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-115	SIB-115-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-115	SIB-115-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-115	SIB-115-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-115	SIB-115-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-115	SIB-115-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-115	SIB-115-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-115	SIB-115-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-115	SIB-115-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-115	SIB-115-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-115	SIB-115-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-115	SIB-115-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-115	SIB-115-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-115	SIB-115-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-115	SIB-115-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-115	SIB-115-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-115	SIB-115-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-115	SIB-115-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-115	SIB-115-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-115	SIB-115-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-115	SIB-115-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-115	SIB-115-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-115	SIB-115-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-115	SIB-115-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-115	SIB-115-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-115	SIB-115-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-115	SIB-115-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-115	SIB-115-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-116	SIB-116-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-116	SIB-116-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-116	SIB-116-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-116	SIB-116-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-116	SIB-116-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-116	SIB-116-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-116	SIB-116-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-116	SIB-116-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-116	SIB-116-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-116	SIB-116-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-116	SIB-116-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-116	SIB-116-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-116	SIB-116-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-116	SIB-116-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-116	SIB-116-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-116	SIB-116-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-116	SIB-116-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-116	SIB-116-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-116	SIB-116-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-116	SIB-116-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	1	2	pg/g	9,000	75,000	200,000	x		
SIB-116	SIB-116-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-116	SIB-116-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-116	SIB-116-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-116	SIB-116-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-116	SIB-116-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-117	SIB-117-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-117	SIB-117-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-117	SIB-117-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-117	SIB-117-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-117	SIB-117-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-117	SIB-117-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-117	SIB-117-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-117	SIB-117-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-117	SIB-117-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-117	SIB-117-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-117	SIB-117-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-117	SIB-117-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-117	SIB-117-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-117	SIB-117-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-117	SIB-117-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-117	SIB-117-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-117	SIB-117-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-117	SIB-117-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-117	SIB-117-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-117	SIB-117-MLW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-117	SIB-117-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-117	SIB-117-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-117	SIB-117-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-117	SIB-117-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-117	SIB-117-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-117	SIB-117-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-117	SIB-117-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-117	SIB-117-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-117	SIB-117-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-117	SIB-117-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-117	SIB-117-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-117	SIB-117-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-117	SIB-117-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			x
SIB-117	SIB-117-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-117	SIB-117-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-117	SIB-117-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-117	SIB-117-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-117	SIB-117-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-117	SIB-117-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-117	SIB-117-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-117	SIB-117-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-117	SIB-117-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-117	SIB-117-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-117	SIB-117-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-117	SIB-117-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-117	SIB-117-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-117	SIB-117-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-117	SIB-117-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-117	SIB-117-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-117	SIB-117-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-117	SIB-117-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-117	SIB-117-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-117	SIB-117-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-117	SIB-117-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-117	SIB-117-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-117	SIB-117-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-117	SIB-117-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-117	SIB-117-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-117	SIB-117-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-117	SIB-117-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-117	SIB-117-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-118	SIB-118-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-118	SIB-118-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-118	SIB-118-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-118	SIB-118-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-118	SIB-118-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-118	SIB-118-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-118	SIB-118-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-118	SIB-118-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-118	SIB-118-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-118	SIB-118-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-118	SIB-118-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-118	SIB-118-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-118	SIB-118-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-118	SIB-118-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-118	SIB-118-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-118	SIB-118-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-118	SIB-118-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-118	SIB-118-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-118	SIB-118-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-118	SIB-118-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-118	SIB-118-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-118	SIB-118-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-118	SIB-118-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-118	SIB-118-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-118	SIB-118-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-118	SIB-118-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-118	SIB-118-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-118	SIB-118-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-118	SIB-118-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-118	SIB-118-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-118	SIB-118-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-118	SIB-118-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-118	SIB-118-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-118	SIB-118-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-118	SIB-118-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-118	SIB-118-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-118	SIB-118-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200			x
SIB-118	SIB-118-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-118	SIB-118-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-118	SIB-118-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-118	SIB-118-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-118	SIB-118-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-118	SIB-118-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-118	SIB-118-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-118	SIB-118-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-118	SIB-118-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-118	SIB-118-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-118	SIB-118-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-118	SIB-118-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-119	SIB-119-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-119	SIB-119-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-119	SIB-119-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-119	SIB-119-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-119	SIB-119-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-119	SIB-119-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-119	SIB-119-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-119	SIB-119-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-119	SIB-119-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-119	SIB-119-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-119	SIB-119-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-119	SIB-119-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-119	SIB-119-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-119	SIB-119-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-119	SIB-119-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-119	SIB-119-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-119	SIB-119-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-119	SIB-119-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-119	SIB-119-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-119	SIB-119-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-119	SIB-119-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-119	SIB-119-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-119	SIB-119-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-119	SIB-119-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-119	SIB-119-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-119	SIB-119-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-119	SIB-119-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-119	SIB-119-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-119	SIB-119-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-119	SIB-119-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-119	SIB-119-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA	x		
SIB-119	SIB-119-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-119	SIB-119-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-119	SIB-119-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-119	SIB-119-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-119	SIB-119-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-119	SIB-119-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	1	2	µg/kg	114	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	1	2	µg/kg	50	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050	x		
SIB-119	SIB-119-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-119	SIB-119-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA			
SIB-119	SIB-119-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-119	SIB-119-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-119	SIB-119-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-119	SIB-119-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10	x		
SIB-119	SIB-119-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-119	SIB-119-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-119	SIB-119-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-119	SIB-119-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-119	SIB-119-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-119	SIB-119-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-119	SIB-119-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA			
SIB-120	SIB-120-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-120	SIB-120-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-120	SIB-120-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-120	SIB-120-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-120	SIB-120-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-120	SIB-120-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-120	SIB-120-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-120	SIB-120-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-120	SIB-120-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-120	SIB-120-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-120	SIB-120-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-120	SIB-120-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-120	SIB-120-OHW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-120	SIB-120-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-120	SIB-120-OHW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-120	SIB-120-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-120	SIB-120-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-120	SIB-120-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-120	SIB-120-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-120	SIB-120-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-120	SIB-120-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-120	SIB-120-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-120	SIB-120-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-120	SIB-120-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-120	SIB-120-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	1	2	pg/g	10	NA	NA	x		
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1	2	pg/g	0.4	NA	400	x		
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	2.5	10		x	
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1	2	pg/g	0.3	200	200	x		
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	1	2	pg/g	0.4066	NA	600	x		
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10		x	
SIB-120	SIB-120-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	2	pg/g	0.2	1	10	x		
SIB-120	SIB-120-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-120	SIB-120-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-120	SIB-120-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA			
SIB-120	SIB-120-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-120	SIB-120-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-120	SIB-120-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-120	SIB-120-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-120	SIB-120-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-120	SIB-120-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-120	SIB-120-TOB	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-120	SIB-120-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-120	SIB-120-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-120	SIB-120-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-120	SIB-120-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-120	SIB-120-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-120	SIB-120-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-120	SIB-120-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-120	SIB-120-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-120	SIB-120-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-120	SIB-120-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-120	SIB-120-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-120	SIB-120-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-120	SIB-120-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-120	SIB-120-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-121	SIB-121-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-121	SIB-121-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-121	SIB-121-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-121	SIB-121-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-121	SIB-121-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-121	SIB-121-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-121	SIB-121-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-121	SIB-121-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-121	SIB-121-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-121	SIB-121-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-121	SIB-121-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-121	SIB-121-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000			
SIB-121	SIB-121-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-121	SIB-121-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-121	SIB-121-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-121	SIB-121-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-121	SIB-121-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-121	SIB-121-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-121	SIB-121-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-121	SIB-121-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-121	SIB-121-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-121	SIB-121-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-121	SIB-121-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-121	SIB-121-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-121	SIB-121-OHW	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-121	SIB-121-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-121	SIB-121-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-121	SIB-121-OHW	PAHs	SW8270D-SIM	NAPHTHALENE	0	1	µg/kg	NA	NA	140,000			
SIB-121	SIB-121-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-121	SIB-121-OHW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-121	SIB-121-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-121	SIB-121-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-121	SIB-121-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-121	SIB-121-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-121	SIB-121-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-121	SIB-121-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-121	SIB-121-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-121	SIB-121-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-121	SIB-121-OHW	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-121	SIB-121-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-121	SIB-121-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-121	SIB-121-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-121	SIB-121-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-121	SIB-121-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-121	SIB-121-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-121	SIB-121-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-121	SIB-121-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-121	SIB-121-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-121	SIB-121-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-121	SIB-121-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-121	SIB-121-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000		x	
SIB-121	SIB-121-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-121	SIB-121-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-121	SIB-121-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-121	SIB-121-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-121	SIB-121-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-121	SIB-121-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-121	SIB-121-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-121	SIB-121-TOB	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA			
SIB-121	SIB-121-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-121	SIB-121-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-122	SIB-122-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-122	SIB-122-MLW	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-122	SIB-122-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-122	SIB-122-MLW	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-122	SIB-122-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-122	SIB-122-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-122	SIB-122-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-122	SIB-122-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-122	SIB-122-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-122	SIB-122-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-122	SIB-122-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-122	SIB-122-MLW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-122	SIB-122-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-122	SIB-122-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-122	SIB-122-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-122	SIB-122-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-122	SIB-122-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-122	SIB-122-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-122	SIB-122-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-122	SIB-122-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-122	SIB-122-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-122	SIB-122-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-122	SIB-122-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-122	SIB-122-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-122	SIB-122-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-122	SIB-122-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-122	SIB-122-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-122	SIB-122-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-122	SIB-122-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-122	SIB-122-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-122	SIB-122-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-122	SIB-122-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-122	SIB-122-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA			
SIB-122	SIB-122-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-122	SIB-122-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-122	SIB-122-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-122	SIB-122-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-122	SIB-122-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-122	SIB-122-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-122	SIB-122-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-122	SIB-122-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-122	SIB-122-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-122	SIB-122-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-122	SIB-122-TOB	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-122	SIB-122-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-122	SIB-122-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-122	SIB-122-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-122	SIB-122-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-122	SIB-122-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-122	SIB-122-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-122	SIB-122-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-122	SIB-122-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-123	SIB-123-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-123	SIB-123-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-123	SIB-123-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-123	SIB-123-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-123	SIB-123-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-123	SIB-123-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-123	SIB-123-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-123	SIB-123-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-123	SIB-123-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-123	SIB-123-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-123	SIB-123-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-123	SIB-123-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-123	SIB-123-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-123	SIB-123-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-123	SIB-123-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-123	SIB-123-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-123	SIB-123-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-123	SIB-123-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-123	SIB-123-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA			
SIB-123	SIB-123-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-123	SIB-123-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-123	SIB-123-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-123	SIB-123-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-123	SIB-123-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			
SIB-123	SIB-123-TOB	O/P	E1699M	DIELDRIN	0	1	µg/kg	0.07	NA	NA	x		
SIB-123	SIB-123-TOB	O/P	E1699M	DIELDRIN	1	2	µg/kg	0.07	NA	NA	x		
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-123	SIB-123-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200	x		
SIB-123	SIB-123-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-123	SIB-123-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-123	SIB-123-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-123	SIB-123-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-123	SIB-123-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-123	SIB-123-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-123	SIB-123-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-123	SIB-123-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA	x		
SIB-123	SIB-123-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-123	SIB-123-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA	x		
SIB-124	SIB-124-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-124	SIB-124-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-124	SIB-124-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-124	SIB-124-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-124	SIB-124-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-124	SIB-124-MLW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA	x		
SIB-124	SIB-124-MLW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-124	SIB-124-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-124	SIB-124-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-124	SIB-124-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-124	SIB-124-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200	x		
SIB-124	SIB-124-MLW	Calculated	CALC_SUM	Total PCB Congener (Calculated U = 1/2)	0	1	pg/g	9,000	75,000	200,000	x		
SIB-124	SIB-124-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-124	SIB-124-MLW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-124	SIB-124-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-124	SIB-124-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-124	SIB-124-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-124	SIB-124-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-124	SIB-124-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-124	SIB-124-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-124	SIB-124-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-124	SIB-124-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-124	SIB-124-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-124	SIB-124-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-124	SIB-124-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-124	SIB-124-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-124	SIB-124-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-124	SIB-124-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-124	SIB-124-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-124	SIB-124-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-124	SIB-124-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-124	SIB-124-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-124	SIB-124-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10			x
SIB-124	SIB-124-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-124	SIB-124-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-124	SIB-124-OHW	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA			
SIB-124	SIB-124-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-124	SIB-124-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA	x		
SIB-124	SIB-124-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-124	SIB-124-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA	x		
SIB-124	SIB-124-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA	x		
SIB-124	SIB-124-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-124	SIB-124-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-124	SIB-124-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-124	SIB-124-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-124	SIB-124-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-124	SIB-124-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA	x		
SIB-124	SIB-124-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000	x		
SIB-124	SIB-124-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-124	SIB-124-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-124	SIB-124-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-124	SIB-124-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-124	SIB-124-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-124	SIB-124-TOB	TPH	NWTPH-Dx	PHC AS DIESEL FUEL	0	1	mg/kg	91	NA	NA	x		
SIB-124	SIB-124-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-125	SIB-125-MLW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-125	SIB-125-MLW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA			
SIB-125	SIB-125-MLW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-125	SIB-125-MLW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-125	SIB-125-MLW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-125	SIB-125-MLW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-125	SIB-125-MLW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-125	SIB-125-MLW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-125	SIB-125-MLW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-125	SIB-125-MLW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-125	SIB-125-MLW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200			
SIB-125	SIB-125-MLW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-125	SIB-125-MLW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-125	SIB-125-MLW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10			
SIB-125	SIB-125-MLW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-125	SIB-125-MLW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-125	SIB-125-OHW	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-125	SIB-125-OHW	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-125	SIB-125-OHW	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-125	SIB-125-OHW	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-125	SIB-125-OHW	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-125	SIB-125-OHW	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-125	SIB-125-OHW	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-125	SIB-125-OHW	Calculated	CALC_SUM	Total DDE (Calculated U = 1/2)	0	1	µg/kg	50	NA	NA			
SIB-125	SIB-125-OHW	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-125	SIB-125-OHW	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050	x		
SIB-125	SIB-125-OHW	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-125	SIB-125-OHW	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-125	SIB-125-OHW	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-125	SIB-125-OHW	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA	x		
SIB-125	SIB-125-OHW	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-125	SIB-125-OHW	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10		x	
SIB-125	SIB-125-OHW	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-125	SIB-125-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-125	SIB-125-OHW	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	1	10	x		
SIB-125	SIB-125-OHW	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA			
SIB-125	SIB-125-OHW	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW6020B	LEAD	0	1	mg/kg	196	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW6020B	LEAD	1	2	mg/kg	196	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW6020B	ARSENIC	0	1	mg/kg	3	NA	NA	x		
SIB-125	SIB-125-TOB	Metals	SW6020B	ARSENIC	1	2	mg/kg	3	NA	NA	x		
SIB-125	SIB-125-TOB	Metals	SW6020B	CADMIUM	0	1	mg/kg	0.51	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW6020B	CADMIUM	1	2	mg/kg	0.51	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW6020B	COPPER	0	1	mg/kg	359	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW6020B	COPPER	1	2	mg/kg	359	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW6020B	ZINC	0	1	mg/kg	459	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW6020B	ZINC	1	2	mg/kg	459	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW7471B	MERCURY	0	1	mg/kg	0.085	NA	NA			
SIB-125	SIB-125-TOB	Metals	SW7471B	MERCURY	1	2	mg/kg	0.085	NA	NA			
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total DDD (Calculated U = 1/2)	0	1	µg/kg	114	NA	NA			
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	0	1	µg/kg	246	NA	NA			
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total DDT (Calculated U = 1/2)	1	2	µg/kg	246	NA	NA			
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	0	1	µg/kg	6.1	160	7,050			
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total DDx (Calculated U = 1/2)	1	2	µg/kg	6.1	160	7,050			

Table 4-2 (continued)
Summary of Transects with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Sample Code	Updated Designation	Analysis Method	Chemical	Start Depth (ft)	End Depth (ft)	Unit	CUL	RAL/PQL	PTW	>CULs	>RALs/PQLs	>PTW
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total PAH (Calculated U = 1/2)	0	1	µg/kg	23,000	30,000	NA			
SIB-125	SIB-125-TOB	Calculated	CALC_TEQ	Total cPAH/BaPEq TEQ (EPA 1993) (Calculated U = 1/2)	0	1	µg/kg	774	NA	774,000			
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	0	1	µg/kg	9	75	200		x	
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total PCB Aroclors (Calculated U = 1/2)	1	2	µg/kg	9	75	200		x	
SIB-125	SIB-125-TOB	Calculated	CALC_TEQ	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), (ND=0.5)	0	1	pg/g	10	NA	NA			
SIB-125	SIB-125-TOB	PCDD/PCDFs	E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0	1	pg/g	0.4	NA	400	x		
SIB-125	SIB-125-TOB	PCDD/PCDFs	E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0	1	pg/g	0.2	2.5	10	x		
SIB-125	SIB-125-TOB	PCDD/PCDFs	E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	1	pg/g	0.3	200	200	x		
SIB-125	SIB-125-TOB	PCDD/PCDFs	E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	0	1	pg/g	0.4066	NA	600	x		
SIB-125	SIB-125-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	0	1	µg/kg	135	NA	NA	x		
SIB-125	SIB-125-TOB	sVOC	SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	1	2	µg/kg	135	NA	NA			
SIB-125	SIB-125-TOB	Tributyltin	ALS SOP	Tributyltin Hydride	0	1	µg/kg	3,080	NA	NA			
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	0	1	µg/kg	1.4	NA	NA	x		
SIB-125	SIB-125-TOB	Calculated	CALC_SUM	Total Chlordane (Calculated U = 1/2)	1	2	µg/kg	1.4	NA	NA	x		

Notes:
Total Concentrations were calculated using 1/2 of value for non-detects.
Only the highest exceedance category is marked with an x.
& = and
< = less than
> = greater than
µg/kg = micrograms per kilogram
ft = feet
mg/kg = milligrams per kilogram
pg/g = picograms per gram
1,2,3,4,7,8-HxCDF = 1,2,3,4,7,8-hexachlorodibenzofuran
4-PeCDF = 2,3,4,7,8-pentachlorodibenzofuran
BEHP = bis(2-ethylhexyl)phthalate
CUL = cleanup level
NA = Not Applicable/Not Available
O/P = organochlorine pesticides
PAHs = polycyclic aromatic hydrocarbons
PCDD = 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PCDD = 1,2,3,7,8-pentachlorodibenzo-p-dioxin
PCDFs = polychlorinated dibenzofurans
PQL = practical quantitation limit
PTW = principal threat waste
RAL = remedial action level
sVOC = Semi-volatile organic compounds
TCDD = 2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF = 2,3,7,8-tetrachlorodibenzofuran
TEQ = toxic equivalent
TPH = total petroleum hydrocarbons

Table 4-3
Summary of Samples with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample	Locations	Sample Code	Start Depth (ft)	End Depth (ft)	<CUL	>CUL	>RAL/ PQL	>PTW
SIB-000-OHW-0-1	SIB-000-OHW	SIB-000-OHW-0-1-10172022	0	1	10	2	1	
SIB-000-TOB-0-1	SIB-000-TOB	SIB-000-TOB-0-1-10172022	0	1	6	8	1	
SIB-001-OHW-0-1	SIB-001-OHW	SIB-001-OHW-0-1-10172022	0	1	6	11	1	1
SIB-001-TOB-0-1	SIB-001-TOB	SIB-001-TOB-0-1-10172022	0	1	6	8	1	
SIB-002-OHW-0-1	SIB-002-OHW	SIB-002-OHW-0-1-10172022	0	1	9	5	1	
SIB-002-TOB-0-1	SIB-002-TOB	SIB-002-TOB-0-1-10172022	0	1	12	4	1	
SIB-003-OHW-0-1	SIB-003-OHW	SIB-003-OHW-0-1-10172022	0	1	9	6	2	1
SIB-003-TOB-0-1	SIB-003-TOB	SIB-003-TOB-0-1-10172022	0	1	7	8	1	
SIB-004-MLW-0-1	SIB-004-MLW	SIB-004-MLW-0-1-10172022	0	1	10	1		
SIB-004-OHW-0-1	SIB-004-OHW	SIB-004-OHW-0-1-10172022	0	1	10	5		
SIB-004-TOB-0-1	SIB-004-TOB	SIB-004-TOB-0-1-10172022	0	1	12	6	2	1
SIB-005-MLW-0-1	SIB-005-MLW	SIB-005-MLW-0-1-10172022	0	1	8	2		
SIB-005-OHW-0-1	SIB-005-OHW	SIB-005-OHW-0-1-10172022	0	1	8	5	1	
SIB-005-OHW-1-2	SIB-005-OHW	SIB-005-OHW-1-2-10172022	1	2	5	5		
SIB-005-TOB-0-1	SIB-005-TOB	SIB-005-TOB-0-1-10172022	0	1	10	8	2	1
SIB-006-OHW-0-1	SIB-006-OHW	SIB-006-OHW-0-1-10172022	0	1	10	4	1	
SIB-006-TOB-0-1	SIB-006-TOB	SIB-006-TOB-0-1-10172022	0	1	7	7	1	1
SIB-007-OHW-0-1	SIB-007-OHW	SIB-007-OHW-0-1-10172022	0	1	12	5		
SIB-007-TOB-0-1	SIB-007-TOB	SIB-007-TOB-0-1-10172022	0	1	10	8	2	2
SIB-008-MLW-0-1	SIB-008-MLW	SIB-008-MLW-0-1-10172022	0	1	12	3		
SIB-008-OHW-0-1	SIB-008-OHW	SIB-008-OHW-0-1-10172022	0	1	12	4		
SIB-008-TOB-0-1	SIB-008-TOB	SIB-008-TOB-0-1-10172022	0	1	10	11	1	1
SIB-009-OHW-0-1	SIB-009-OHW	SIB-009-OHW-0-1-10172022	0	1	11	3	1	
SIB-009-TOB-0-1	SIB-009-TOB	SIB-009-TOB-0-1-10172022	0	1	10	9	1	1
SIB-010-OHW-0-1	SIB-010-OHW	SIB-010-OHW-0-1-10172022	0	1	12	7	1	1
SIB-010-TOB-0-1	SIB-010-TOB	SIB-010-TOB-0-1-10172022	0	1	10	4	1	
SIB-011-OHW-0-1	SIB-011-OHW	SIB-011-OHW-0-1-10172022	0	1	5	15	3	2
SIB-011-TOB-0-1	SIB-011-TOB	SIB-011-TOB-0-1-10172022	0	1	5	14	3	1
SIB-012-MLW-0-1	SIB-012-MLW	SIB-012-MLW-0-1-10172022	0	1	8	11	1	1
SIB-013-MLW-0-1	SIB-013-MLW	SIB-013-MLW-0-1-10172022	0	1	9	9	2	1
SIB-014-MLW-0-1	SIB-014-MLW	SIB-014-MLW-0-1-10172022	0	1	8	10	3	2
SIB-022-MLW-0-1	SIB-022-MLW	SIB-022-MLW-0-1-10252022	0	1	10	8	2	
SIB-022-OHW-0-1	SIB-022-OHW	SIB-022-OHW-0-1-10252022	0	1	10	6		
SIB-023-OHW-0-1	SIB-023-OHW	SIB-023-OHW-0-1-10252022	0	1	11	5	1	
SIB-024-OHW-0-1	SIB-024-OHW	SIB-024-OHW-0-1-10252022	0	1	9	8	2	1
SIB-025-OHW-0-1	SIB-025-OHW	SIB-025-OHW-0-1-10252022	0	1	8	10	1	1
SIB-026-OHW-0-1	SIB-026-OHW	SIB-026-OHW-0-1-10252022	0	1	11	6		
SIB-027-OHW-0-1	SIB-027-OHW	SIB-027-OHW-0-1-10252022	0	1	8	3		
SIB-028-OHW-0-1	SIB-028-OHW	SIB-028-OHW-0-1-10252022	0	1	6	13	2	2
SIB-029-OHW-0-1	SIB-029-OHW	SIB-029-OHW-0-1-10252022	0	1	8	9	1	2
SIB-030-MLW-0-1	SIB-030-MLW	SIB-030-MLW-0-1-10252022	0	1	6	11	1	2
SIB-030-OHW-0-1	SIB-030-OHW	SIB-030-OHW-0-1-10252022	0	1	5	7	1	1
SIB-031-OHW-0-1	SIB-031-OHW	SIB-031-OHW-0-1-10252022	0	1	11	5	3	3
SIB-032-OHW-0-1	SIB-032-OHW	SIB-032-OHW-0-1-10252022	0	1	7	9	2	2
SIB-033-OHW-0-1	SIB-033-OHW	SIB-033-OHW-0-1-10252022	0	1	6	11	2	3
SIB-034-MLW-0-1	SIB-034-MLW	SIB-034-MLW-0-1-10252022	0	1	5	13	3	3
SIB-034-OHW-0-1	SIB-034-OHW	SIB-034-OHW-0-1-10252022	0	1	6	12	3	4
SIB-035-OHW-0-1	SIB-035-OHW	SIB-035-OHW-0-1-10252022	0	1	5	13	2	3
SIB-036-MLW-0-1	SIB-036-MLW	SIB-036-MLW-0-1-10252022	0	1	6	12	3	4
SIB-036-OHW-0-1	SIB-036-OHW	SIB-036-OHW-0-1-10252022	0	1	7	5		
SIB-037-MLW-0-1	SIB-037-MLW	SIB-037-MLW-0-1-10252022	0	1	10	10	1	

Table 4-3 (continued)
Summary of Samples with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample	Locations	Sample Code	Start Depth (ft)	End Depth (ft)	<CUL	>CUL	>RAL/ PQL	>PTW
SIB-037-OHW-0-1	SIB-037-OHW	SIB-037-OHW-0-1-10252022	0	1	10	3		
SIB-038-MLW-0-1	SIB-038-MLW	SIB-038-MLW-0-1-10252022	0	1	10	10	2	
SIB-038-OHW-0-1	SIB-038-OHW	SIB-038-OHW-0-1-10252022	0	1	8	5		
SIB-039-MLW-0-1	SIB-039-MLW	SIB-039-MLW-0-1-10252022	0	1	8	8	2	
SIB-039-OHW-0-1	SIB-039-OHW	SIB-039-OHW-0-1-10252022	0	1	10	4		
SIB-040-MLW-0-1	SIB-040-MLW	SIB-040-MLW-0-1-10242022	0	1	11	6	1	
SIB-040-OHW-0-1	SIB-040-OHW	SIB-040-OHW-0-1-10242022	0	1	14	2		
SIB-041-MLW-0-1	SIB-041-MLW	SIB-041-MLW-0-1-10242022	0	1	10	4	2	1
SIB-041-OHW-0-1	SIB-041-OHW	SIB-041-OHW-0-1-10242022	0	1	10	5	1	
SIB-042-MLW-0-1	SIB-042-MLW	SIB-042-MLW-0-1-10242022	0	1	12	5	2	2
SIB-042-OHW-0-1	SIB-042-OHW	SIB-042-OHW-0-1-10242022	0	1	10	5		
SIB-043-OHW-0-1	SIB-043-OHW	SIB-043-OHW-0-1-10242022	0	1	13	7	1	
SIB-043-TOB-0-1	SIB-043-TOB	SIB-043-TOB-0-1-10242022	0	1	4	7	4	1
SIB-044-OHW-0-1	SIB-044-OHW	SIB-044-OHW-0-1-10242022	0	1	11	9	3	
SIB-044-TOB-0-1	SIB-044-TOB	SIB-044-TOB-0-1-10242022	0	1	5	14	2	2
SIB-045-OHW-0-1	SIB-045-OHW	SIB-045-OHW-0-1-10242022	0	1	4	15	3	1
SIB-045-TOB-0-1	SIB-045-TOB	SIB-045-TOB-0-1-10242022	0	1	12	7		
SIB-046-OHW-0-1	SIB-046-OHW	SIB-046-OHW-0-1-10242022	0	1	12	7	1	
SIB-046-TOB-0-1	SIB-046-TOB	SIB-046-TOB-0-1-10242022	0	1	10	10	2	
SIB-047-OHW-0-1	SIB-047-OHW	SIB-047-OHW-0-1-10242022	0	1	13	2	2	1
SIB-047-TOB-0-1	SIB-047-TOB	SIB-047-TOB-0-1-10242022	0	1	9	10	4	2
SIB-048-MLW-0-1	SIB-048-MLW	SIB-048-MLW-0-1-10242022	0	1	14	6	2	
SIB-048-OHW-0-1	SIB-048-OHW	SIB-048-OHW-0-1-10242022	0	1	12	4	3	1
SIB-048-TOB-0-1	SIB-048-TOB	SIB-048-TOB-0-1-10242022	0	1	11	8	2	
SIB-049-OHW-0-1	SIB-049-OHW	SIB-049-OHW-0-1-10202022	0	1	13	6		
SIB-049-OHW-1-2	SIB-049-OHW	SIB-049-OHW-1-2-10202022	1	2	7	1		
SIB-049-TOB-0-1	SIB-049-TOB	SIB-049-TOB-0-1-10202022	0	1	9	10	3	2
SIB-050-OHW-0-1	SIB-050-OHW	SIB-050-OHW-0-1-10202022	0	1	12	6		
SIB-050-TOB-0-1	SIB-050-TOB	SIB-050-TOB-0-1-10202022	0	1	11	9	3	1
SIB-051-OHW-0-1	SIB-051-OHW	SIB-051-OHW-0-1-10202022	0	1	11	7	2	
SIB-051-TOB-0-1	SIB-051-TOB	SIB-051-TOB-0-1-10202022	0	1	14	5		
SIB-052-OHW-0-1	SIB-052-OHW	SIB-052-OHW-0-1-10202022	0	1	14	6	1	
SIB-052-TOB-0-1	SIB-052-TOB	SIB-052-TOB-0-1-10202022	0	1	10	9	2	
SIB-053-MLW-0-1	SIB-053-MLW	SIB-053-MLW-0-1-10202022	0	1	12	8	2	
SIB-053-OHW-0-1	SIB-053-OHW	SIB-053-OHW-0-1-10202022	0	1	11	10		
SIB-053-TOB-0-1	SIB-053-TOB	SIB-053-TOB-0-1-10202022	0	1	9	10	3	
SIB-054-OHW-0-1	SIB-054-OHW	SIB-054-OHW-0-1-10192022	0	1	12	3		
SIB-054-TOB-0-1	SIB-054-TOB	SIB-054-TOB-0-1-10192022	0	1	11	9	2	
SIB-055-OHW-0-1	SIB-055-OHW	SIB-055-OHW-0-1-10192022	0	1	8	6		
SIB-055-TOB-0-1	SIB-055-TOB	SIB-055-TOB-0-1-10192022	0	1	10	8	2	
SIB-056-MLW-0-1	SIB-056-MLW	SIB-056-MLW-0-1-10192022	0	1	11	10	1	
SIB-056-OHW-0-1	SIB-056-OHW	SIB-056-OHW-0-1-10192022	0	1	11	5		
SIB-056-TOB-0-1	SIB-056-TOB	SIB-056-TOB-0-1-10192022	0	1	12	8	2	1
SIB-057-MLW-0-1	SIB-057-MLW	SIB-057-MLW-0-1-10192022	0	1	12	6	2	1
SIB-057-OHW-0-1	SIB-057-OHW	SIB-057-OHW-0-1-10192022	0	1	12	5	3	2
SIB-057-TOB-0-1	SIB-057-TOB	SIB-057-TOB-0-1-10192022	0	1	11	6	2	1
SIB-057-TOB-1-2	SIB-057-TOB	SIB-057-TOB-1-2-10192022	1	2	11	6		
SIB-058-MLW-0-1	SIB-058-MLW	SIB-058-MLW-0-1-10192022	0	1	11	11	1	
SIB-058-OHW-0-1	SIB-058-OHW	SIB-058-OHW-0-1-10192022	0	1	9	12	2	
SIB-059-MLW-0-1	SIB-059-MLW	SIB-059-MLW-0-1-10192022	0	1	11	8	1	1
SIB-059-OHW-0-1	SIB-059-OHW	SIB-059-OHW-0-1-10192022	0	1	11	8		

Table 4-3 (continued)
Summary of Samples with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample	Locations	Sample Code	Start Depth (ft)	End Depth (ft)	<CUL	>CUL	>RAL/ PQL	>PTW
SIB-060-MLW-0-1	SIB-060-MLW	SIB-060-MLW-0-1-10192022	0	1	11	6	2	1
SIB-060-OHW-0-1	SIB-060-OHW	SIB-060-OHW-0-1-10192022	0	1	11	6	2	1
SIB-061-MLW-0-1	SIB-061-MLW	SIB-061-MLW-0-1-10192022	0	1	11	6	3	1
SIB-061-OHW-0-1	SIB-061-OHW	SIB-061-OHW-0-1-10192022	0	1	11	5	2	1
SIB-062-MLW-0-1	SIB-062-MLW	SIB-062-MLW-0-1-10182022	0	1	9	3		
SIB-062-MLW-1-2	SIB-062-MLW	SIB-062-MLW-1-2-10182022	1	2	6	6		
SIB-062-OHW-0-1	SIB-062-OHW	SIB-062-OHW-0-1-10182022	0	1	8	10	3	
SIB-062-TOB-0-1	SIB-062-TOB	SIB-062-TOB-0-1-10182022	0	1	13	4		
SIB-063-MLW-0-1	SIB-063-MLW	SIB-063-MLW-0-1-10182022	0	1	12	5		
SIB-063-MLW-1-2	SIB-063-MLW	SIB-063-MLW-1-2-10182022	1	2	6	4		
SIB-063-OHW-0-1	SIB-063-OHW	SIB-063-OHW-0-1-10182022	0	1	11	9	2	
SIB-063-TOB-0-1	SIB-063-TOB	SIB-063-TOB-0-1-10182022	0	1	12	8		
SIB-064-MLW-0-1	SIB-064-MLW	SIB-064-MLW-0-1-10182022	0	1	12	5		
SIB-064-MLW-1-2	SIB-064-MLW	SIB-064-MLW-1-2-10182022	1	2	1	6		
SIB-064-OHW-0-1	SIB-064-OHW	SIB-064-OHW-0-1-10182022	0	1	8			
SIB-064-TOB-0-1	SIB-064-TOB	SIB-064-TOB-0-1-10182022	0	1	10	1		
SIB-064-TOB-1-2	SIB-064-TOB	SIB-064-TOB-1-2-10182022	1	2	1			
SIB-065-MLW-0-1	SIB-065-MLW	SIB-065-MLW-0-1-10182022	0	1	10			
SIB-065-OHW-0-1	SIB-065-OHW	SIB-065-OHW-0-1-10182022	0	1	15	1		
SIB-065-OHW-1-2	SIB-065-OHW	SIB-065-OHW-1-2-10182022	1	2	1			
SIB-065-OHW-2-3	SIB-065-OHW	SIB-065-OHW-2-3-10182022	2	3	1			
SIB-065-TOB-0-1	SIB-065-TOB	SIB-065-TOB-0-1-10182022	0	1	14			
SIB-066-MLW-0-1	SIB-066-MLW	SIB-066-MLW-0-1-10182022	0	1	8	1		
SIB-066-MLW-1-2	SIB-066-MLW	SIB-066-MLW-1-2-10182022	1	2	1	1		
SIB-066-OHW-0-1	SIB-066-OHW	SIB-066-OHW-0-1-10182022	0	1	14	4		
SIB-066-OHW-1-2	SIB-066-OHW	SIB-066-OHW-1-2-10182022	1	2	8			
SIB-066-OHW-2-3	SIB-066-OHW	SIB-066-OHW-2-3-10182022	2	3	8			
SIB-066-TOB-0-1	SIB-066-TOB	SIB-066-TOB-0-1-10182022	0	1	10	2		
SIB-066-TOB-1-2	SIB-066-TOB	SIB-066-TOB-1-2-10182022	1	2	4			
SIB-066-TOB-2-3	SIB-066-TOB	SIB-066-TOB-2-3-10182022	2	3	2			
SIB-067-MLW-0-1	SIB-067-MLW	SIB-067-MLW-0-1-10142022	0	1	11	1		
SIB-067-MLW-1-2	SIB-067-MLW	SIB-067-MLW-1-2-10142022	1	2	2			
SIB-067-OHW-0-1	SIB-067-OHW	SIB-067-OHW-0-1-10142022	0	1	13	4	1	1
SIB-067-OHW-1-2	SIB-067-OHW	SIB-067-OHW-1-2-10142022	1	2		4		
SIB-067-OHW-2-3	SIB-067-OHW	SIB-067-OHW-2-3-10142022	2	3	1	4	1	
SIB-067-TOB-0-1	SIB-067-TOB	SIB-067-TOB-0-1-10142022	0	1	10	5		
SIB-067-TOB-1-2	SIB-067-TOB	SIB-067-TOB-1-2-10142022	1	2	2	1		
SIB-067-TOB-2-3	SIB-067-TOB	SIB-067-TOB-2-3-10142022	2	3	1			
SIB-068-MLW-0-1	SIB-068-MLW	SIB-068-MLW-0-1-10142022	0	1	10			
SIB-068-OHW-0-1	SIB-068-OHW	SIB-068-OHW-0-1-10142022	0	1	9	3	1	
SIB-068-OHW-1-2	SIB-068-OHW	SIB-068-OHW-1-2-10142022	1	2	6	5		
SIB-068-TOB-0-1	SIB-068-TOB	SIB-068-TOB-0-1-10142022	0	1	12	1		
SIB-068-TOB-1-2	SIB-068-TOB	SIB-068-TOB-1-2-10142022	1	2	1			
SIB-068-TOB-2-3	SIB-068-TOB	SIB-068-TOB-2-3-10142022	2	3	2	1		
SIB-069-MLW-0-1	SIB-069-MLW	SIB-069-MLW-0-1-10142022	0	1	10	1		
SIB-069-OHW-0-1	SIB-069-OHW	SIB-069-OHW-0-1-10142022	0	1	12	1		
SIB-069-TOB-0-1	SIB-069-TOB	SIB-069-TOB-0-1-10142022	0	1	10	3		
SIB-070-MLW-0-1	SIB-070-MLW	SIB-070-MLW-0-1-10132022	0	1	11	10		
SIB-070-OHW-0-1	SIB-070-OHW	SIB-070-OHW-0-1-10132022	0	1	9	6		
SIB-071-MLW-0-1	SIB-071-MLW	SIB-071-MLW-0-1-10132022	0	1	11	6		
SIB-071-OHW-0-1	SIB-071-OHW	SIB-071-OHW-0-1-10132022	0	1	12	8		

Table 4-3 (continued)
Summary of Samples with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample	Locations	Sample Code	Start Depth (ft)	End Depth (ft)	<CUL	>CUL	>RAL/ PQL	>PTW
SIB-071-TOB-0-1	SIB-071-TOB	SIB-071-TOB-0-1-10132022	0	1	13	5		
SIB-072-MLW-0-1	SIB-072-MLW	SIB-072-MLW-0-1-10132022	0	1	11	2		
SIB-072-MLW-1-2	SIB-072-MLW	SIB-072-MLW-1-2-10132022	1	2	1	3		
SIB-072-OHW-0-1	SIB-072-OHW	SIB-072-OHW-0-1-10132022	0	1	10	10	1	
SIB-072-OHW-1-2	SIB-072-OHW	SIB-072-OHW-1-2-10132022	1	2	8	8		
SIB-072-TOB-0-1	SIB-072-TOB	SIB-072-TOB-0-1-10132022	0	1	8	12	3	2
SIB-072-TOB-1-2	SIB-072-TOB	SIB-072-TOB-1-2-10132022	1	2	10	8	3	1
SIB-072-TOB-2-3	SIB-072-TOB	SIB-072-TOB-2-3-10132022	2	3	10	6	1	
SIB-073-MLW-0-1	SIB-073-MLW	SIB-073-MLW-0-1-10132022	0	1	12	6		
SIB-073-OHW-0-1	SIB-073-OHW	SIB-073-OHW-0-1-10132022	0	1	10	7	2	1
SIB-073-OHW-1-2	SIB-073-OHW	SIB-073-OHW-1-2-10132022	1	2	5	6	2	
SIB-073-TOB-0-1	SIB-073-TOB	SIB-073-TOB-0-1-10132022	0	1	12	5	1	
SIB-073-TOB-1-2	SIB-073-TOB	SIB-073-TOB-1-2-10132022	1	2	5	6	1	1
SIB-074-MLW-0-1	SIB-074-MLW	SIB-074-MLW-0-1-10132022	0	1	9	5		
SIB-074-OHW-0-1	SIB-074-OHW	SIB-074-OHW-0-1-10132022	0	1	10	5	1	1
SIB-074-OHW-1-2	SIB-074-OHW	SIB-074-OHW-1-2-10132022	1	2	1	4		
SIB-074-TOB-0-1	SIB-074-TOB	SIB-074-TOB-0-1-10132022	0	1	12	6	1	
SIB-074-TOB-1-2	SIB-074-TOB	SIB-074-TOB-1-2-10132022	1	2	11	4	1	1
SIB-075-MLW-0-1	SIB-075-MLW	SIB-075-MLW-0-1-10132022	0	1	13	3		
SIB-075-OHW-0-1	SIB-075-OHW	SIB-075-OHW-0-1-10132022	0	1	12	6		
SIB-075-OHW-1-2	SIB-075-OHW	SIB-075-OHW-1-2-10132022	1	2	9	2		
SIB-075-TOB-0-1	SIB-075-TOB	SIB-075-TOB-0-1-10132022	0	1	12	4	2	
SIB-075-TOB-1-2	SIB-075-TOB	SIB-075-TOB-1-2-10132022	1	2	9	5	1	
SIB-076-MLW-0-1	SIB-076-MLW	SIB-076-MLW-0-1-10122022	0	1	9	6		
SIB-076-MLW-1-2	SIB-076-MLW	SIB-076-MLW-1-2-10122022	1	2	5	9		
SIB-076-OHW-0-1	SIB-076-OHW	SIB-076-OHW-0-1-10122022	0	1	10	10	2	
SIB-076-TOB-0-1	SIB-076-TOB	SIB-076-TOB-0-1-10122022	0	1	11	8	1	
SIB-076-TOB-1-2	SIB-076-TOB	SIB-076-TOB-1-2-10122022	1	2	12	5	1	
SIB-077-MLW-0-1	SIB-077-MLW	SIB-077-MLW-0-1-10122022	0	1	9	5		
SIB-077-MLW-1-2	SIB-077-MLW	SIB-077-MLW-1-2-10122022	1	2	8	2		
SIB-077-OHW-0-1	SIB-077-OHW	SIB-077-OHW-0-1-10122022	0	1	9	11	3	1
SIB-077-OHW-1-2	SIB-077-OHW	SIB-077-OHW-1-2-10122022	1	2	11	7	1	
SIB-077-TOB-0-1	SIB-077-TOB	SIB-077-TOB-0-1-10122022	0	1	9	12	2	1
SIB-078-MLW-0-1	SIB-078-MLW	SIB-078-MLW-0-1-10122022	0	1	9	2	1	
SIB-078-OHW-0-1	SIB-078-OHW	SIB-078-OHW-0-1-10122022	0	1	11	5		
SIB-078-OHW-1-2	SIB-078-OHW	SIB-078-OHW-1-2-10122022	1	2	1	6		
SIB-078-TOB-0-1	SIB-078-TOB	SIB-078-TOB-0-1-10122022	0	1	11	10	4	1
SIB-079-MLW-0-1	SIB-079-MLW	SIB-079-MLW-0-1-10122022	0	1	10	4		
SIB-079-MLW-1-2	SIB-079-MLW	SIB-079-MLW-1-2-10122022	1	2	6	6		
SIB-079-OHW-0-1	SIB-079-OHW	SIB-079-OHW-0-1-10122022	0	1	11	4		
SIB-079-OHW-1-2	SIB-079-OHW	SIB-079-OHW-1-2-10122022	1	2	1	5		
SIB-079-TOB-0-1	SIB-079-TOB	SIB-079-TOB-0-1-10122022	0	1	11	8		
SIB-079-TOB-1-2	SIB-079-TOB	SIB-079-TOB-1-2-10122022	1	2	7	6		
SIB-080-MLW-0-1	SIB-080-MLW	SIB-080-MLW-0-1-10122022	0	1	9	5		
SIB-080-MLW-1-2	SIB-080-MLW	SIB-080-MLW-1-2-10122022	1	2	5	6	1	
SIB-080-OHW-0-1	SIB-080-OHW	SIB-080-OHW-0-1-10122022	0	1	7	11	4	5
SIB-080-TOB-0-1	SIB-080-TOB	SIB-080-TOB-0-1-10122022	0	1	12	8	3	1
SIB-081-MLW-0-1	SIB-081-MLW	SIB-081-MLW-0-1-10122022	0	1	7	2		
SIB-081-MLW-1-2	SIB-081-MLW	SIB-081-MLW-1-2-10122022	1	2	5	2		
SIB-081-OHW-0-1	SIB-081-OHW	SIB-081-OHW-0-1-10122022	0	1	11	6		
SIB-081-OHW-1-2	SIB-081-OHW	SIB-081-OHW-1-2-10122022	1	2	7	4		

Table 4-3 (continued)
Summary of Samples with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample	Locations	Sample Code	Start Depth (ft)	End Depth (ft)	<CUL	>CUL	>RAL/ PQL	>PTW
SIB-081-TOB-0-1	SIB-081-TOB	SIB-081-TOB-0-1-10122022	0	1	11	6	2	
SIB-081-TOB-1-2	SIB-081-TOB	SIB-081-TOB-1-2-10122022	1	2	4	8	1	
SIB-082-MLW-0-1	SIB-082-MLW	SIB-082-MLW-0-1-10112022	0	1	9	1		
SIB-082-MLW-1-2	SIB-082-MLW	SIB-082-MLW-1-2-10112022	1	2	5	1		
SIB-082-OHW-0-1	SIB-082-OHW	SIB-082-OHW-0-1-10112022	0	1	5	11	3	2
SIB-082-TOB-0-1	SIB-082-TOB	SIB-082-TOB-0-1-10112022	0	1	10	8	2	
SIB-083-MLW-0-1	SIB-083-MLW	SIB-083-MLW-0-1-10112022	0	1	8	1		
SIB-083-OHW-0-1	SIB-083-OHW	SIB-083-OHW-0-1-10112022	0	1	10	9		
SIB-083-TOB-0-1	SIB-083-TOB	SIB-083-TOB-0-1-10112022	0	1	12	8		
SIB-083-TOB-1-2	SIB-083-TOB	SIB-083-TOB-1-2-10112022	1	2	6	6		
SIB-084-MLW-0-1	SIB-084-MLW	SIB-084-MLW-0-1-10112022	0	1	8	2		
SIB-084-MLW-1-2	SIB-084-MLW	SIB-084-MLW-1-2-10112022	1	2	6	1		
SIB-084-OHW-0-1	SIB-084-OHW	SIB-084-OHW-0-1-10112022	0	1	11	5		
SIB-084-OHW-1-2	SIB-084-OHW	SIB-084-OHW-1-2-10112022	1	2	1	4		
SIB-084-TOB-0-1	SIB-084-TOB	SIB-084-TOB-0-1-10112022	0	1	14	5		
SIB-084-TOB-1-2	SIB-084-TOB	SIB-084-TOB-1-2-10112022	1	2	3	1		
SIB-085-MLW-0-1	SIB-085-MLW	SIB-085-MLW-0-1-10112022	0	1	9	1		
SIB-085-MLW-1-2	SIB-085-MLW	SIB-085-MLW-1-2-10112022	1	2	5	1		
SIB-085-OHW-0-1	SIB-085-OHW	SIB-085-OHW-0-1-10112022	0	1	10	5	2	
SIB-085-OHW-1-2	SIB-085-OHW	SIB-085-OHW-1-2-10112022	1	2	1	5		
SIB-085-TOB-0-1	SIB-085-TOB	SIB-085-TOB-0-1-10112022	0	1	10	8	3	
SIB-085-TOB-1-2	SIB-085-TOB	SIB-085-TOB-1-2-10112022	1	2	8	7	2	
SIB-085-TOB-2-3	SIB-085-TOB	SIB-085-TOB-2-3-10112022	2	3	10	6	1	
SIB-086-MLW-0-1	SIB-086-MLW	SIB-086-MLW-0-1-10112022	0	1	10	5		
SIB-086-MLW-1-2	SIB-086-MLW	SIB-086-MLW-1-2-10112022	1	2		6	1	
SIB-086-OHW-0-1	SIB-086-OHW	SIB-086-OHW-0-1-10112022	0	1	8	7	1	
SIB-086-TOB-0-1	SIB-086-TOB	SIB-086-TOB-0-1-10112022	0	1	10	8	2	
SIB-087-MLW-0-1	SIB-087-MLW	SIB-087-MLW-0-1-10102022	0	1	11	3		
SIB-087-MLW-1-2	SIB-087-MLW	SIB-087-MLW-1-2-10102022	1	2	8	2		
SIB-087-OHW-0-1	SIB-087-OHW	SIB-087-OHW-0-1-10102022	0	1	13	5		
SIB-087-OHW-1-2	SIB-087-OHW	SIB-087-OHW-1-2-10102022	1	2	3	2		
SIB-087-OHW-2-3	SIB-087-OHW	SIB-087-OHW-2-3-10102022	2	3	3			
SIB-087-TOB-0-1	SIB-087-TOB	SIB-087-TOB-0-1-10102022	0	1	13	6	1	
SIB-087-TOB-1-2	SIB-087-TOB	SIB-087-TOB-1-2-10102022	1	2	5	6	2	
SIB-087-TOB-2-3	SIB-087-TOB	SIB-087-TOB-2-3-10102022	2	3	4	7	2	
SIB-088-MLW-0-1	SIB-088-MLW	SIB-088-MLW-0-1-10102022	0	1	12	1		
SIB-088-MLW-1-2	SIB-088-MLW	SIB-088-MLW-1-2-10102022	1	2	7	1		
SIB-088-OHW-0-1	SIB-088-OHW	SIB-088-OHW-0-1-10102022	0	1	9	11		
SIB-088-OHW-1-2	SIB-088-OHW	SIB-088-OHW-1-2-10102022	1	2	6	8		
SIB-088-TOB-0-1	SIB-088-TOB	SIB-088-TOB-0-1-10102022	0	1	11	9	1	1
SIB-089-MLW-0-1	SIB-089-MLW	SIB-089-MLW-0-1-10102022	0	1	13	6		
SIB-089-MLW-1-2	SIB-089-MLW	SIB-089-MLW-1-2-10102022	1	2	7	4		
SIB-089-OHW-0-1	SIB-089-OHW	SIB-089-OHW-0-1-10102022	0	1	9	10	3	1
SIB-089-OHW-1-2	SIB-089-OHW	SIB-089-OHW-1-2-10102022	1	2	6	11	3	
SIB-089-TOB-0-1	SIB-089-TOB	SIB-089-TOB-0-1-10102022	0	1	11	8		
SIB-090-MLW-0-1	SIB-090-MLW	SIB-090-MLW-0-1-10102022	0	1	11	4		
SIB-090-MLW-1-2	SIB-090-MLW	SIB-090-MLW-1-2-10102022	1	2	8	2		
SIB-090-OHW-0-1	SIB-090-OHW	SIB-090-OHW-0-1-10102022	0	1	8	11	4	
SIB-090-OHW-1-2	SIB-090-OHW	SIB-090-OHW-1-2-10102022	1	2	4	8	4	
SIB-090-TOB-0-1	SIB-090-TOB	SIB-090-TOB-0-1-10102022	0	1	10	11	1	
SIB-090-TOB-1-2	SIB-090-TOB	SIB-090-TOB-1-2-10102022	1	2	6	8		

Table 4-3 (continued)
Summary of Samples with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample	Locations	Sample Code	Start Depth (ft)	End Depth (ft)	<CUL	>CUL	>RAL/ PQL	>PTW
SIB-091-MLW-0-1	SIB-091-MLW	SIB-091-MLW-0-1-10102022	0	1	13			
SIB-091-OHW-0-1	SIB-091-OHW	SIB-091-OHW-0-1-10102022	0	1	11	8	2	
SIB-091-TOB-0-1	SIB-091-TOB	SIB-091-TOB-0-1-10102022	0	1	11	11	2	
SIB-091-TOB-1-2	SIB-091-TOB	SIB-091-TOB-1-2-10102022	1	2	3	9	1	
SIB-091-TOB-2-3	SIB-091-TOB	SIB-091-TOB-2-3-10102022	2	3	4	7	2	
SIB-092-MLW-0-1	SIB-092-MLW	SIB-092-MLW-0-1-10102022	0	1	10	4		
SIB-092-MLW-1-2	SIB-092-MLW	SIB-092-MLW-1-2-10102022	1	2	5	5		
SIB-092-OHW-0-1	SIB-092-OHW	SIB-092-OHW-0-1-10102022	0	1	13	5		
SIB-092-TOB-0-1	SIB-092-TOB	SIB-092-TOB-0-1-10102022	0	1	11	7	3	1
SIB-092-TOB-1-2	SIB-092-TOB	SIB-092-TOB-1-2-10102022	1	2	7	8	2	
SIB-093-MLW-0-1	SIB-093-MLW	SIB-093-MLW-0-1-10072022	0	1	11			
SIB-093-OHW-0-1	SIB-093-OHW	SIB-093-OHW-0-1-10072022	0	1	10	6	2	
SIB-093-OHW-1-2	SIB-093-OHW	SIB-093-OHW-1-2-10072022	1	2	4	7	1	
SIB-093-OHW-2-3	SIB-093-OHW	SIB-093-OHW-2-3-10072022	2	3	4	8	1	
SIB-093-TOB-0-1	SIB-093-TOB	SIB-093-TOB-0-1-10072022	0	1	11	8	1	
SIB-093-TOB-1-2	SIB-093-TOB	SIB-093-TOB-1-2-10072022	1	2	5	6	1	
SIB-093-TOB-2-3	SIB-093-TOB	SIB-093-TOB-2-3-10072022	2	3	5	7		
SIB-094-MLW-0-1	SIB-094-MLW	SIB-094-MLW-0-1-10072022	0	1	9	1		
SIB-094-OHW-0-1	SIB-094-OHW	SIB-094-OHW-0-1-10072022	0	1	12	10	1	
SIB-094-TOB-0-1	SIB-094-TOB	SIB-094-TOB-0-1-10072022	0	1	7	13	3	1
SIB-094-TOB-1-2	SIB-094-TOB	SIB-094-TOB-1-2-10072022	1	2	10	13		
SIB-094-TOB-2-3	SIB-094-TOB	SIB-094-TOB-2-3-10072022	2	3	12	8	1	
SIB-095-MLW-0-1	SIB-095-MLW	SIB-095-MLW-0-1-10072022	0	1	11	4		
SIB-095-OHW-0-1	SIB-095-OHW	SIB-095-OHW-0-1-10072022	0	1	12	6		
SIB-095-TOB-0-1	SIB-095-TOB	SIB-095-TOB-0-1-10072022	0	1	12	8	1	
SIB-095-TOB-1-2	SIB-095-TOB	SIB-095-TOB-1-2-10072022	1	2	5	6	1	
SIB-095-TOB-2-3	SIB-095-TOB	SIB-095-TOB-2-3-10072022	2	3	5	6		
SIB-096-MLW-0-1	SIB-096-MLW	SIB-096-MLW-0-1-10072022	0	1	9			
SIB-096-OHW-0-1	SIB-096-OHW	SIB-096-OHW-0-1-10072022	0	1	10	6	2	1
SIB-096-OHW-1-2	SIB-096-OHW	SIB-096-OHW-1-2-10072022	1	2	5	7		
SIB-096-TOB-0-1	SIB-096-TOB	SIB-096-TOB-0-1-10072022	0	1	11	7		
SIB-097-MLW-0-1	SIB-097-MLW	SIB-097-MLW-0-1-10072022	0	1	10	4		
SIB-097-OHW-0-1	SIB-097-OHW	SIB-097-OHW-0-1-10072022	0	1	11	8	1	
SIB-097-OHW-1-2	SIB-097-OHW	SIB-097-OHW-1-2-10072022	1	2	7	4		
SIB-097-TOB-0-1	SIB-097-TOB	SIB-097-TOB-0-1-10072022	0	1	11	8	1	
SIB-097-TOB-1-2	SIB-097-TOB	SIB-097-TOB-1-2-10072022	1	2	4	10		
SIB-098-MLW-0-1	SIB-098-MLW	SIB-098-MLW-0-1-10072022	0	1	11	4		
SIB-098-OHW-0-1	SIB-098-OHW	SIB-098-OHW-0-1-10072022	0	1	11	6		
SIB-098-OHW-1-2	SIB-098-OHW	SIB-098-OHW-1-2-10072022	1	2	2	4		
SIB-098-OHW-2-3	SIB-098-OHW	SIB-098-OHW-2-3-10072022	2	3	1	2		
SIB-098-TOB-0-1	SIB-098-TOB	SIB-098-TOB-0-1-10072022	0	1	11	7		
SIB-098-TOB-1-2	SIB-098-TOB	SIB-098-TOB-1-2-10072022	1	2	5	5		
SIB-098-TOB-2-3	SIB-098-TOB	SIB-098-TOB-2-3-10072022	2	3	6	4	2	
SIB-099-MLW-0-1	SIB-099-MLW	SIB-099-MLW-0-1-10072022	0	1	8	4		
SIB-099-OHW-0-1	SIB-099-OHW	SIB-099-OHW-0-1-10072022	0	1	11	6	1	
SIB-099-OHW-1-2	SIB-099-OHW	SIB-099-OHW-1-2-10072022	1	2	2	4		
SIB-099-TOB-0-1	SIB-099-TOB	SIB-099-TOB-0-1-10072022	0	1	14	6		
SIB-099-TOB-1-2	SIB-099-TOB	SIB-099-TOB-1-2-10072022	1	2	2	4		
SIB-099-TOB-2-3	SIB-099-TOB	SIB-099-TOB-2-3-10072022	2	3	1	4		
SIB-100-MLW-0-1	SIB-100-MLW	SIB-100-MLW-0-1-10062022	0	1	9	2		
SIB-100-OHW-0-1	SIB-100-OHW	SIB-100-OHW-0-1-10062022	0	1	12	7		

Table 4-3 (continued)
Summary of Samples with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample	Locations	Sample Code	Start Depth (ft)	End Depth (ft)	<CUL	>CUL	>RAL/ PQL	>PTW
SIB-100-OHW-1-2	SIB-100-OHW	SIB-100-OHW-1-2-10062022	1	2	5	2		
SIB-100-OHW-2-3	SIB-100-OHW	SIB-100-OHW-2-3-10062022	2	3	1	1		
SIB-100-TOB-0-1	SIB-100-TOB	SIB-100-TOB-0-1-10062022	0	1	12	5		
SIB-100-TOB-1-2	SIB-100-TOB	SIB-100-TOB-1-2-10062022	1	2	2	3		
SIB-100-TOB-2-3	SIB-100-TOB	SIB-100-TOB-2-3-10062022	2	3	2	5		
SIB-101-MLW-0-1	SIB-101-MLW	SIB-101-MLW-0-1-10062022	0	1	8	6		
SIB-101-OHW-0-1	SIB-101-OHW	SIB-101-OHW-0-1-10062022	0	1	11			
SIB-101-OHW-2-3	SIB-101-OHW	SIB-101-OHW-2-3-10062022	2	3		1		
SIB-101-TOB-0-1	SIB-101-TOB	SIB-101-TOB-0-1-10062022	0	1	11	5		
SIB-101-TOB-1-2	SIB-101-TOB	SIB-101-TOB-1-2-10062022	1	2	8	4		
SIB-102-MLW-0-1	SIB-102-MLW	SIB-102-MLW-0-1-10062022	0	1	11	3		
SIB-102-MLW-1-2	SIB-102-MLW	SIB-102-MLW-1-2-10062022	1	2	9	2		
SIB-102-OHW-0-1	SIB-102-OHW	SIB-102-OHW-0-1-10062022	0	1	12	5		
SIB-102-OHW-1-2	SIB-102-OHW	SIB-102-OHW-1-2-10062022	1	2	2			
SIB-102-OHW-2-3	SIB-102-OHW	SIB-102-OHW-2-3-10062022	2	3	1			
SIB-102-TOB-0-1	SIB-102-TOB	SIB-102-TOB-0-1-10062022	0	1	13	5		
SIB-102-TOB-1-2	SIB-102-TOB	SIB-102-TOB-1-2-10062022	1	2	9	3		
SIB-102-TOB-2-3	SIB-102-TOB	SIB-102-TOB-2-3-10062022	2	3	8	4		
SIB-103-MLW-0-1	SIB-103-MLW	SIB-103-MLW-0-1-10062022	0	1	10	2		
SIB-103-OHW-0-1	SIB-103-OHW	SIB-103-OHW-0-1-10062022	0	1	10	2		
SIB-103-OHW-1-2	SIB-103-OHW	SIB-103-OHW-1-2-10062022	1	2	4			
SIB-103-OHW-2-3	SIB-103-OHW	SIB-103-OHW-2-3-10062022	2	3	8			
SIB-103-TOB-0-1	SIB-103-TOB	SIB-103-TOB-0-1-10062022	0	1	12	6	1	
SIB-104-MLW-0-1	SIB-104-MLW	SIB-104-MLW-0-1-10062022	0	1	11	6		
SIB-104-OHW-0-1	SIB-104-OHW	SIB-104-OHW-0-1-10062022	0	1	16	5		
SIB-104-TOB-0-1	SIB-104-TOB	SIB-104-TOB-0-1-10062022	0	1	10	5	1	
SIB-104-TOB-1-2	SIB-104-TOB	SIB-104-TOB-1-2-10062022	1	2	7	4	2	1
SIB-105-OHW-0-1	SIB-105-OHW	SIB-105-OHW-0-1-10052022	0	1	11	4		
SIB-105-TOB-0-1	SIB-105-TOB	SIB-105-TOB-0-1-10052022	0	1	14	7	1	
SIB-106-OHW-0-1	SIB-106-OHW	SIB-106-OHW-0-1-10052022	0	1	12	5		
SIB-106-TOB-0-1	SIB-106-TOB	SIB-106-TOB-0-1-10052022	0	1	12	11	1	
SIB-106-TOB-1-2	SIB-106-TOB	SIB-106-TOB-1-2-10052022	1	2	7	5		
SIB-107-OHW-0-1	SIB-107-OHW	SIB-107-OHW-0-1-10052022	0	1	10	10		
SIB-107-TOB-0-1	SIB-107-TOB	SIB-107-TOB-0-1-10052022	0	1	13	10	1	
SIB-108-TOB-0-1	SIB-108-TOB	SIB-108-TOB-0-1-10052022	0	1	13	7		
SIB-109-OHW-0-1	SIB-109-OHW	SIB-109-OHW-0-1-10052022	0	1	9	9	2	
SIB-109-TOB-0-1	SIB-109-TOB	SIB-109-TOB-0-1-10052022	0	1	10	10	2	
SIB-110-MLW-0-1	SIB-110-MLW	SIB-110-MLW-0-1-10052022	0	1	10	1		
SIB-110-MLW-1-2	SIB-110-MLW	SIB-110-MLW-1-2-10052022	1	2	3			
SIB-110-TOB-0-1	SIB-110-TOB	SIB-110-TOB-0-1-10052022	0	1	13	3		
SIB-111-TOB-0-1	SIB-111-TOB	SIB-111-TOB-0-1-10052022	0	1	8	6	1	
SIB-112-MLW-0-1	SIB-112-MLW	SIB-112-MLW-0-1-10042022	0	1	9	6		
SIB-112-MLW-1-2	SIB-112-MLW	SIB-112-MLW-1-2-10042022	1	2	8	2		
SIB-112-MLW-2-3	SIB-112-MLW	SIB-112-MLW-2-3-10042022	2	3	8	1		
SIB-112-OHW-0-1	SIB-112-OHW	SIB-112-OHW-0-1-10042022	0	1	10	7		
SIB-112-TOB-0-1	SIB-112-TOB	SIB-112-TOB-0-1-10052022	0	1	11	4		
SIB-112-TOB-1-2	SIB-112-TOB	SIB-112-TOB-1-2-10052022	1	2	6	6		
SIB-112-TOB-2-3	SIB-112-TOB	SIB-112-TOB-2-3-10052022	2	3	6	4		
SIB-113-TOB-0-1	SIB-113-TOB	SIB-113-TOB-0-1-10042022	0	1	10	5	1	
SIB-113-TOB-1-2	SIB-113-TOB	SIB-113-TOB-1-2-10042022	1	2	6	6	2	1
SIB-114-OHW-0-1	SIB-114-OHW	SIB-114-OHW-0-1-10042022	0	1	11	6	3	

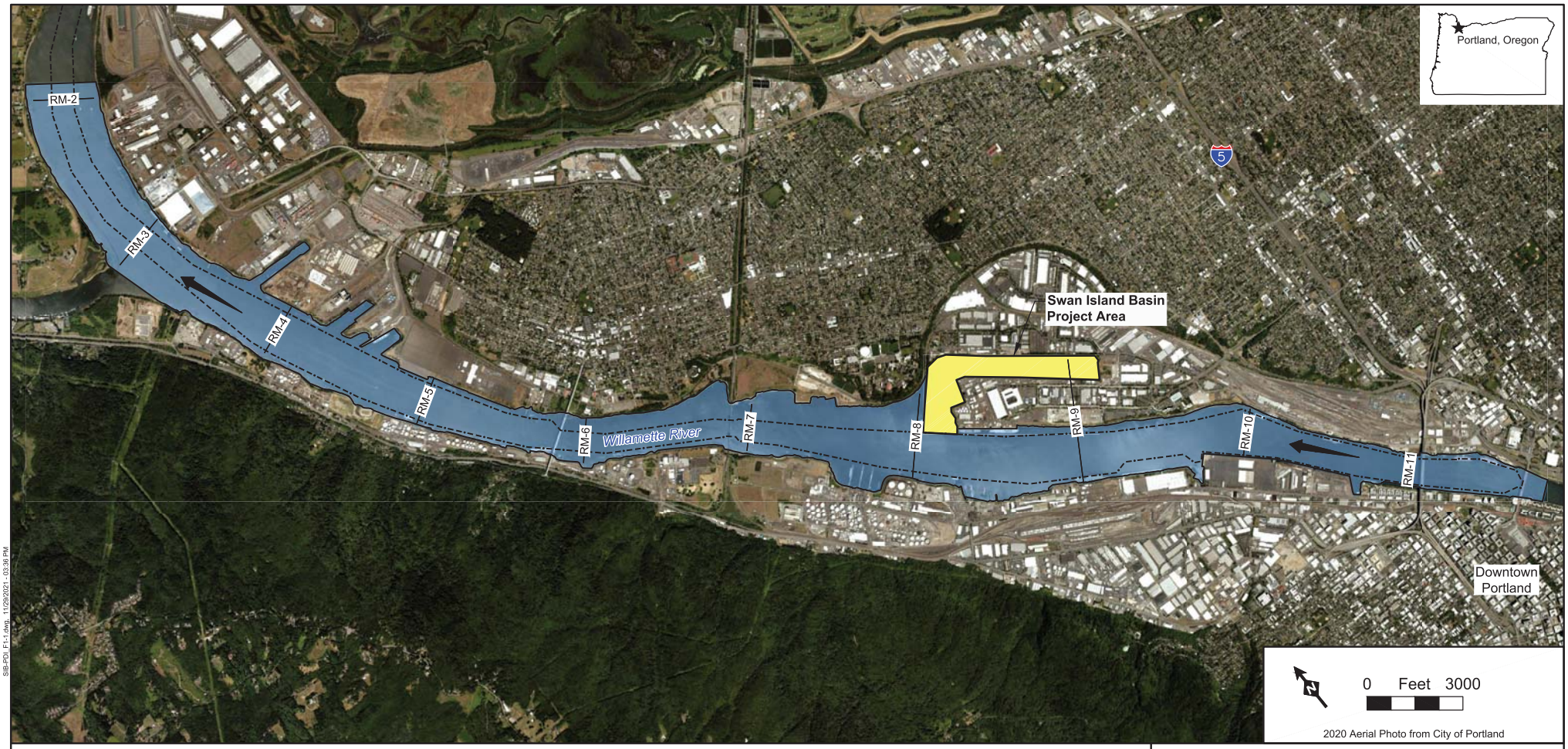
Table 4-3 (continued)
Summary of Samples with CUL, RAL/PQL, and PTW Threshold Exceedances
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Sample	Locations	Sample Code	Start Depth (ft)	End Depth (ft)	<CUL	>CUL	>RAL/ PQL	>PTW
SIB-114-TOB-0-1	SIB-114-TOB	SIB-114-TOB-0-1-10042022	0	1	10	9		
SIB-114-TOB-1-2	SIB-114-TOB	SIB-114-TOB-1-2-10042022	1	2	7	5		
SIB-114-TOB-2-3	SIB-114-TOB	SIB-114-TOB-2-3-10042022	2	3	6	7		
SIB-115-OHW-0-1	SIB-115-OHW	SIB-115-OHW-0-1-10042022	0	1	10	6	3	
SIB-115-TOB-0-1	SIB-115-TOB	SIB-115-TOB-0-1-10042022	0	1	8	9	1	
SIB-115-TOB-1-2	SIB-115-TOB	SIB-115-TOB-1-2-10042022	1	2	7	6		
SIB-116-TOB-0-1	SIB-116-TOB	SIB-116-TOB-0-1-10042022	0	1	11	7	2	
SIB-116-TOB-1-2	SIB-116-TOB	SIB-116-TOB-1-2-10042022	1	2	5	7	1	
SIB-117-MLW-0-1	SIB-117-MLW	SIB-117-MLW-0-1-10032022	0	1	11	7	2	1
SIB-117-OHW-0-1	SIB-117-OHW	SIB-117-OHW-0-1-10032022	0	1	12	5	2	1
SIB-117-TOB-0-1	SIB-117-TOB	SIB-117-TOB-0-1-10042022	0	1	11	11		
SIB-118-OHW-0-1	SIB-118-OHW	SIB-118-OHW-0-1-10032022	0	1	13	8	1	
SIB-118-TOB-0-1	SIB-118-TOB	SIB-118-TOB-0-1-10042022	0	1	13	4	3	
SIB-118-TOB-1-2	SIB-118-TOB	SIB-118-TOB-1-2-10042022	1	2		3	2	1
SIB-119-OHW-0-1	SIB-119-OHW	SIB-119-OHW-0-1-10032022	0	1	13	5	2	
SIB-119-OHW-1-2	SIB-119-OHW	SIB-119-OHW-1-2-10032022	1	2	5	7	1	
SIB-119-TOB-0-1	SIB-119-TOB	SIB-119-TOB-0-1-10042022	0	1	13	10		
SIB-119-TOB-1-2	SIB-119-TOB	SIB-119-TOB-1-2-10042022	1	2	10	7		
SIB-120-MLW-0-1	SIB-120-MLW	SIB-120-MLW-0-1-10032022	0	1	8	3		
SIB-120-OHW-0-1	SIB-120-OHW	SIB-120-OHW-0-1-10032022	0	1	13	5	3	1
SIB-120-OHW-1-2	SIB-120-OHW	SIB-120-OHW-1-2-10032022	1	2	5	7	1	
SIB-120-TOB-0-1	SIB-120-TOB	SIB-120-TOB-0-1-10032022	0	1	12	9		
SIB-121-MLW-0-1	SIB-121-MLW	SIB-121-MLW-0-1-10262022	0	1	11	3		
SIB-121-OHW-0-1	SIB-121-OHW	SIB-121-OHW-0-1-10262022	0	1	11	12	2	
SIB-121-TOB-0-1	SIB-121-TOB	SIB-121-TOB-0-1-10262022	0	1	12	8	2	
SIB-122-MLW-0-1	SIB-122-MLW	SIB-122-MLW-0-1-10262022	0	1	10	7		
SIB-122-MLW-1-2	SIB-122-MLW	SIB-122-MLW-1-2-10262022	1	2	5	2		
SIB-122-OHW-0-1	SIB-122-OHW	SIB-122-OHW-0-1-10262022	0	1	10	6	2	
SIB-122-TOB-0-1	SIB-122-TOB	SIB-122-TOB-0-1-10262022	0	1	12	8		
SIB-122-TOB-1-2	SIB-122-TOB	SIB-122-TOB-1-2-10262022	1	2	6	1		
SIB-123-OHW-0-1	SIB-123-OHW	SIB-123-OHW-0-1-10262022	0	1	11	8	1	
SIB-123-TOB-0-1	SIB-123-TOB	SIB-123-TOB-0-1-10262022	0	1	11	10	1	
SIB-123-TOB-1-2	SIB-123-TOB	SIB-123-TOB-1-2-10262022	1	2	7	5		
SIB-124-MLW-0-1	SIB-124-MLW	SIB-124-MLW-0-1-10262022	0	1	11	7		
SIB-124-OHW-0-1	SIB-124-OHW	SIB-124-OHW-0-1-10262022	0	1	9	8	2	1
SIB-124-TOB-0-1	SIB-124-TOB	SIB-124-TOB-0-1-10262022	0	1	6	11	1	
SIB-125-MLW-0-1	SIB-125-MLW	SIB-125-MLW-0-1-10262022	0	1	15	1		
SIB-125-OHW-0-1	SIB-125-OHW	SIB-125-OHW-0-1-10262022	0	1	12	7	2	
SIB-125-TOB-0-1	SIB-125-TOB	SIB-125-TOB-0-1-10262022	0	1	12	7	1	
SIB-125-TOB-1-2	SIB-125-TOB	SIB-125-TOB-1-2-10262022	1	2	8	2	1	

Notes:
< = less than
> = greater than
ft = feet
CUL = cleanup level
PQL = practical quantitation limit
PTW = principal threat waste
RAL = remedial action level

FIGURES

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Federal Navigation Channel (NOAA, 2016)

River Flow Direction

Swan Island Basin Project Area

Portland Harbor Superfund Site Boundary (River Mile 1.9 to 11.8)

Notes:
NOAA - National Oceanic and Atmospheric Administration
RM - River Mile
SIB - Swan Island Basin

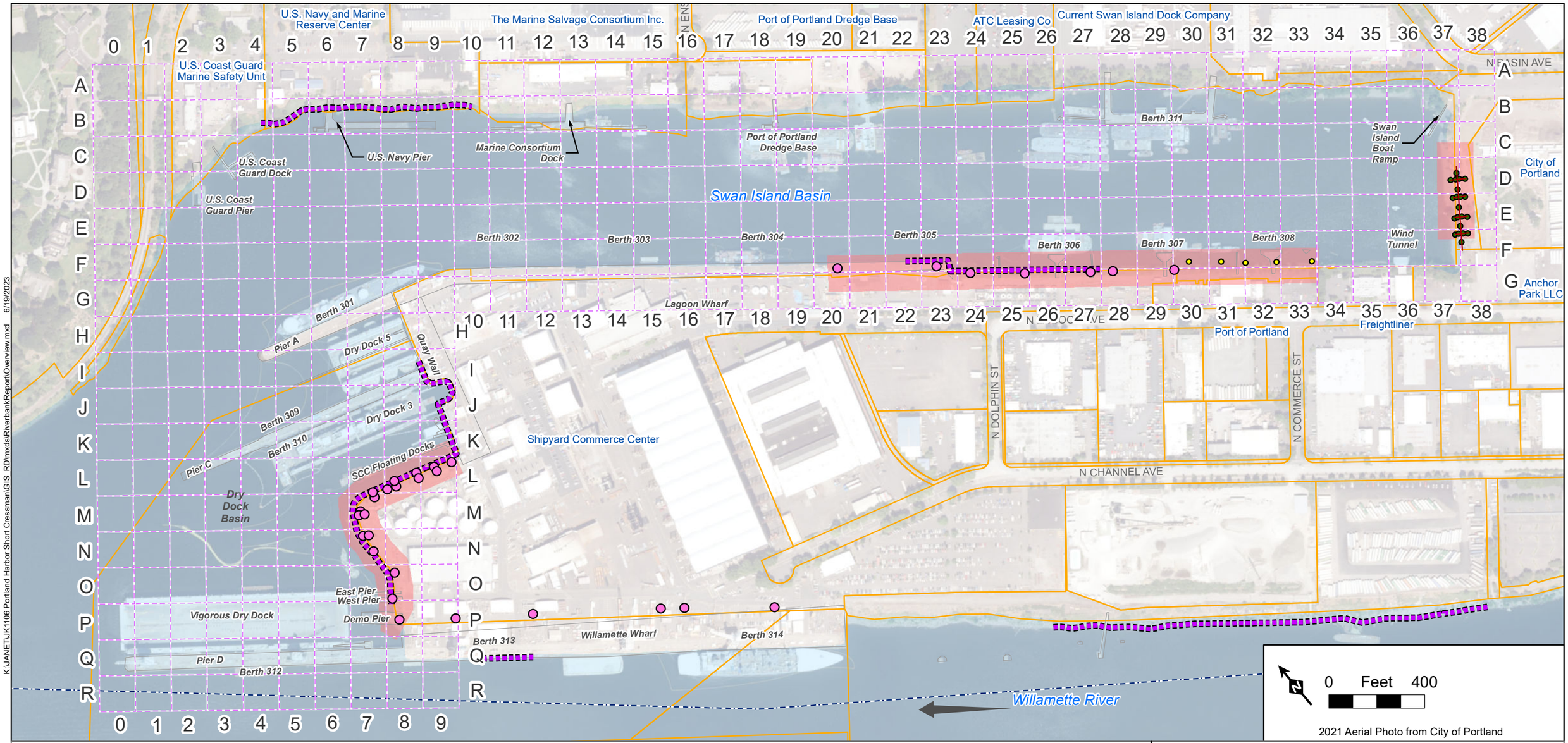
Source:
NOAA, 2016. Booklet Chart, Willamette River – Swan Island Basin, NOAA Chart 18527 at URL: https://www.charts.noaa.gov/BookletChart/18527_BookletChart.pdf - Navigation Channel

Figure 1-1
SIB Project Area Location Map

Prepared on 6/15/2023

Riverbank Characterization Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
M MCCLELLAN
BRIDGEWATER GROUP



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- Project Area Grid
- Federal Navigation Channel (USACE, 2020)
- Docks and Structures
- Tax Lot Boundary

2010 City of Portland Sample Location

- Surface Soil Transect Composite
- Surface Soil Transect

2011 Port of Portland Swan Island Upland Facility Sample Location

- SIUF OU1
- SIUF OU3 (estimated)
- Properties with Known Contaminated Riverbanks (EPA, 2017)
- Previous Riverbank Investigation Area Exceeding Cleanup Levels (ODEQ ECSI)

M Project Area Grid Label

River Flow Direction

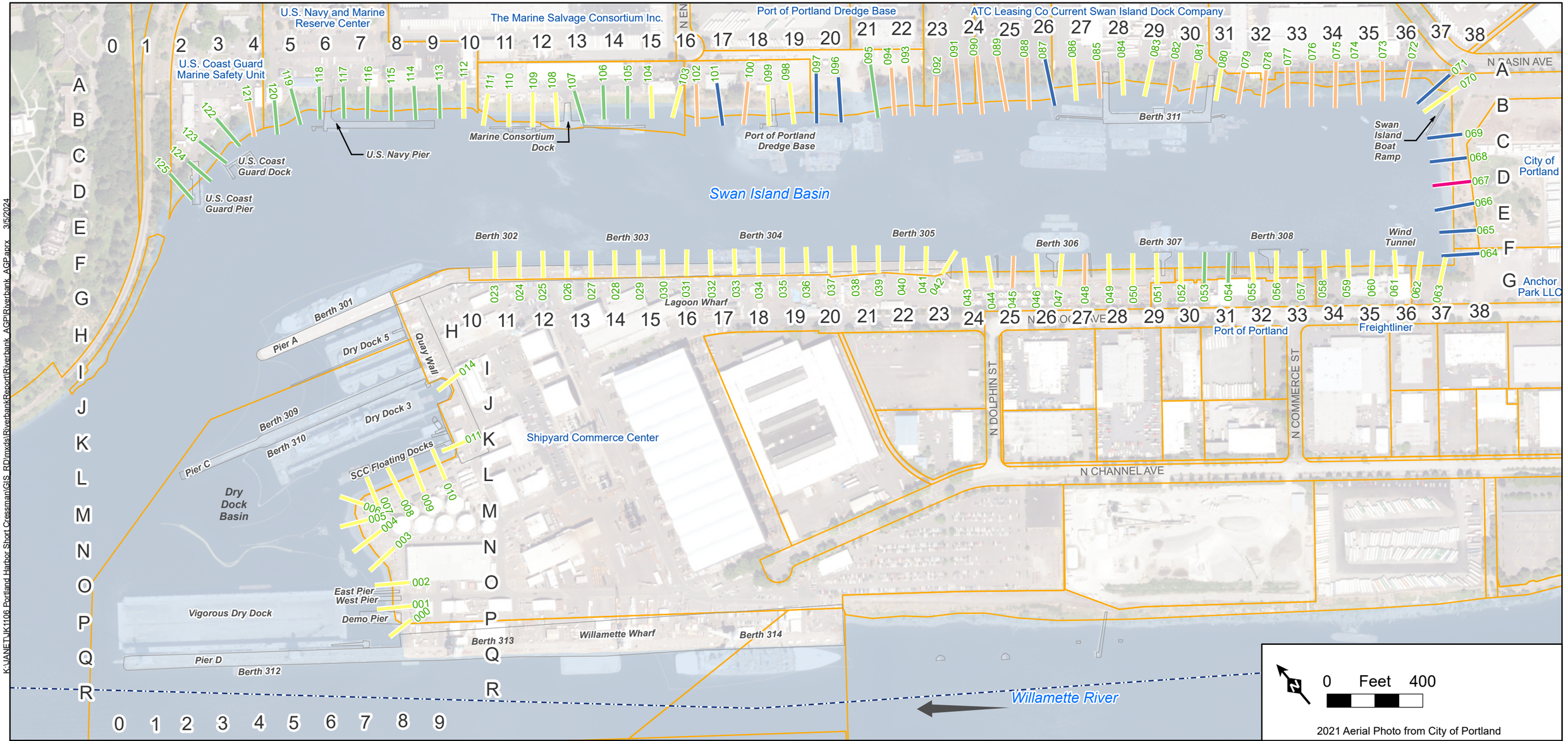
Notes:
ECSI - Environmental Cleanup Site Information database
EPA - U.S. Environmental Protection Agency
ODEQ - Oregon Department of Environmental Quality
OU - Operable Unit
SCC – Shipyard Commerce Center
SIUF - Swan Island Upland Facility
USACE – U.S. Army Corps of Engineers

Figure 2-1

Historical Riverbank Sample Locations and Exceedances

Prepared on: 6/19/2023
Riverbank Characterization Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL MOTT MACDONALD
BRIDGEWATER GROUP



Federal Navigation Channel (USACE, 2020)
Docks and Structures
Tax Lot Boundary

Bank Erosion Hazard Index (BEHI) Rating
- Extreme
- Very High
- High
- Moderate
- Low

M Project Area Grid Label

River Flow Direction

Notes:
SCC – Shipyard Commerce Center
USACE – U.S. Army Corps of Engineers

Figure 2-2

Bank Erosion Hazard Index Ratings for Riverbank Transects

Prepared on: 3/5/2024
Riverbank Characterization Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL MOTT MACDONALD
BRIDGEWATER GROUP

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U.S. Navy and Marine Reserve Center
The Marine Salvage Consortium Inc.
Port of Portland Dredge Base
ATC Leasing Co
Current Swan Island Dock Company
U.S. Coast Guard Marine Safety Unit
N BASIN AVE
Berth 311
Swan Island Boat Ramp
City of Portland
Marine Consortium Dock
U.S. Navy Pier
U.S. Coast Guard Dock
U.S. Coast Guard Pier
Port of Portland Dredge Base
069-123
Swan Island Basin
067-125
041-093
049-085
056-077
033-100
020-116
026-108
120
124
Berth 302
Berth 303
Berth 304
065
Berth 305
Berth 306
Berth 307
Berth 308
Wind Tunnel
Anchor Park LLC
Lagoon Wharf
Berth 301
Pier A
Dry Dock 5
Quay Wall
010
Dry Dock 3
Berth 309
Berth 310
007
Pier C
005
SCC Floating Docks
Shipyard Commerce Center
Port of Portland
Freightliner
N DOLPHIN ST
N COMMERCE ST
N CHANNEL AVE
001
Dry Dock Basin
East Pier
West Pier
Demo Pier
Vigorous Dry Dock
Berth 313
Willamette Wharf
Berth 314
Pier D
Berth 312
Willamette River
0 Feet 400
2021 Aerial Photo from City of Portland

Federal Navigation Channel (USACE, 2020)
Docks and Structures
Tax Lot Boundary
Shoreline Inspection Transects
Near-Bank Stress Transects
Riverbank Section
First Section
Second Section
Third Section
Elevations (Feet NAVD88)
High : 50
40
30
20
10
0
-10
-20
-30
-40
-50
Low : -60
M Project Area Grid Label
River Flow Direction

Notes:
NAVD88 – North American Vertical Datum of 1988
SCC – Shipyard Commerce Center
USACE – U.S. Army Corps of Engineers

Elevation Sources:
David Evans and Associates, 2015
David Evans and Associates, 2018
City of Porland LiDAR, 2019
HydroGeoLogic, 2022

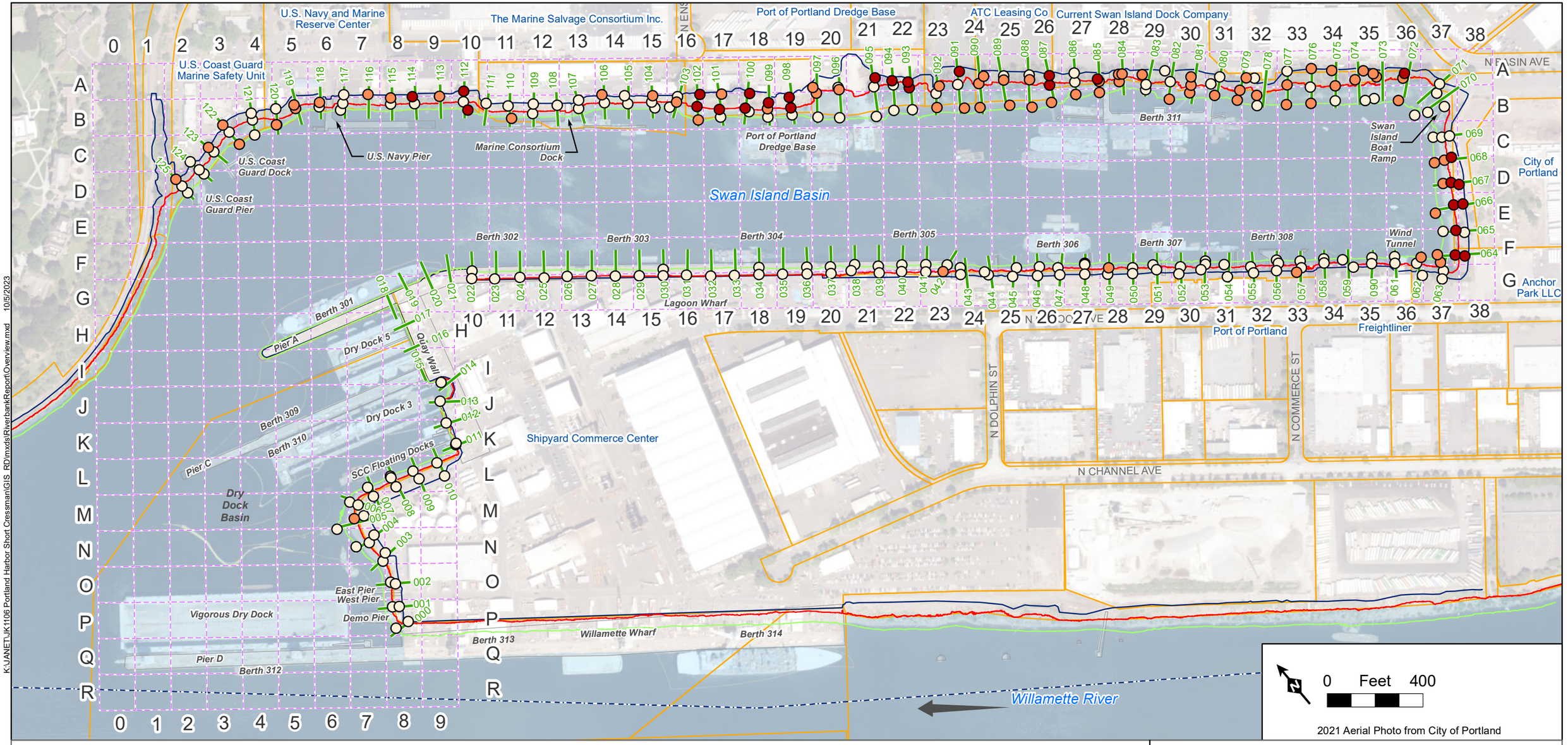
Figure 2-3

Near-Bank Stress Transects and SIB Bathymetry

Prepared on: 10/5/2023
Riverbank Characterization Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
MOTT MACDONALD
BRIDGEWATER GROUP

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- Project Area Grid
- Federal Navigation Channel (USACE, 2020)
- Docks and Structures
- Tax Lot Boundary
- Shoreline Inspection Transects
- Top of Bank (TOB)
- Ordinary High Water (OHW)
- Mean Low Water (MLW)
- River Bank Sample Locations
- Sample Depths (feet)
  - 0-1
  - 0-2
  - 0-3
- M Project Area Grid Label
- River Flow Direction

Notes:
SCC – Shipyard Commerce Center
USACE – U.S. Army Corps of Engineers

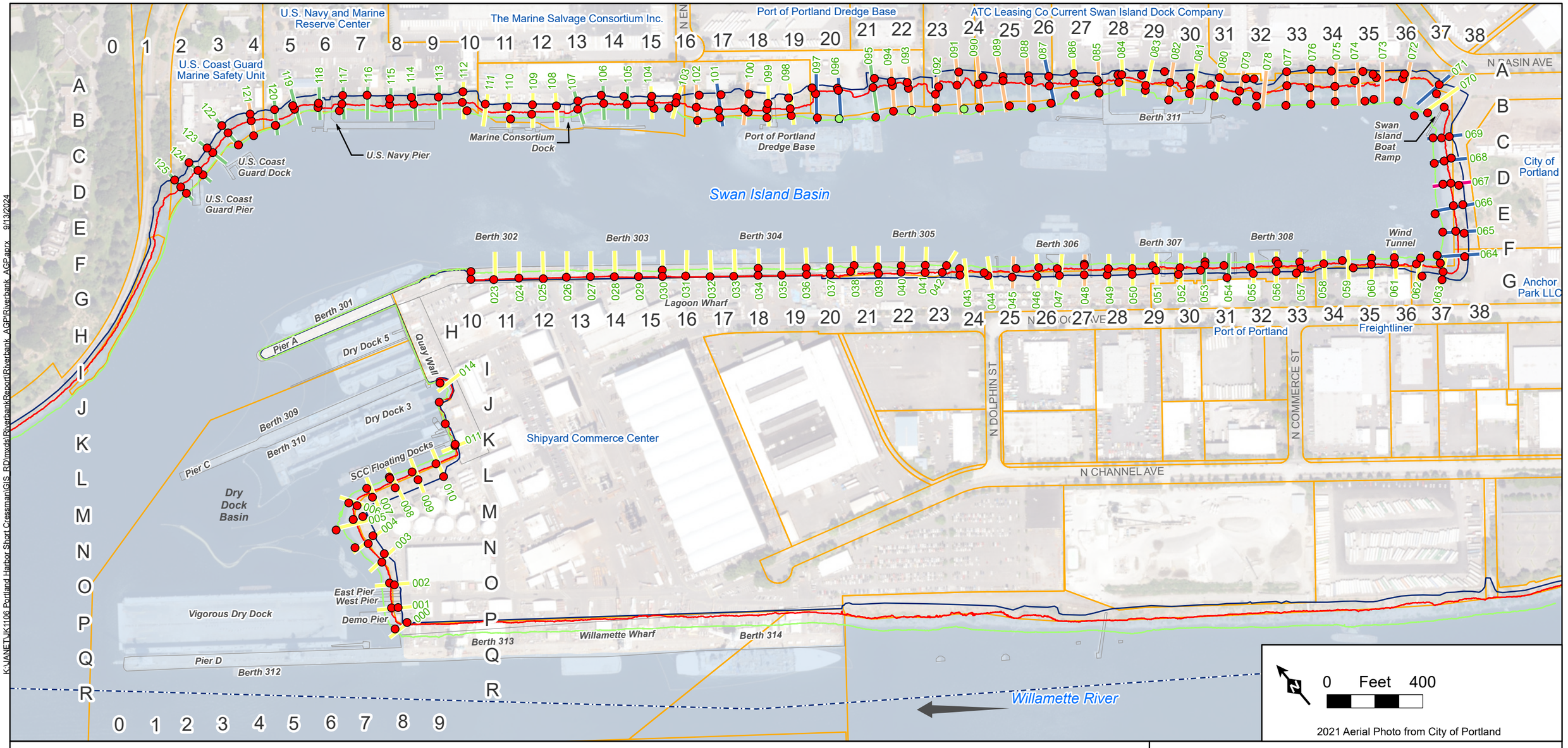
TOB Source – City of Porland Lidar, 2019
OHW and MLW Source – EPA, 2019

Figure 3-1

Riverbank Sample Locations and Intervals

Prepared on: 10/5/2023
Riverbank Characterization Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL MOTT MACDONALD
BRIDGEWATER GROUP



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Federal Navigation Channel (USACE, 2020)
Docks and Structures
Tax Lot Boundary
Top of Bank (TOB)
Ordinary High Water (OHW)
Mean Low Water (MLW)

M Project Area Grid Label

River Flow Direction

Riverbank Sample Location
- At least one ROD COC Above CUL
- No ROD COCs Above CUL

Bank Erosion Hazard Index (BEHI) Rating
- Extreme
- Very High
- High
- Moderate
- Low

Notes:
COC – Contaminants of Concern
CUL – Cleanup Level
ROD – Record of Decision
SCC – Shipyard Commerce Center
USACE – U.S. Army Corps of Engineers

TOB Source – City of Porland Lidar, 2019
OHW and MLW Source – EPA, 2019

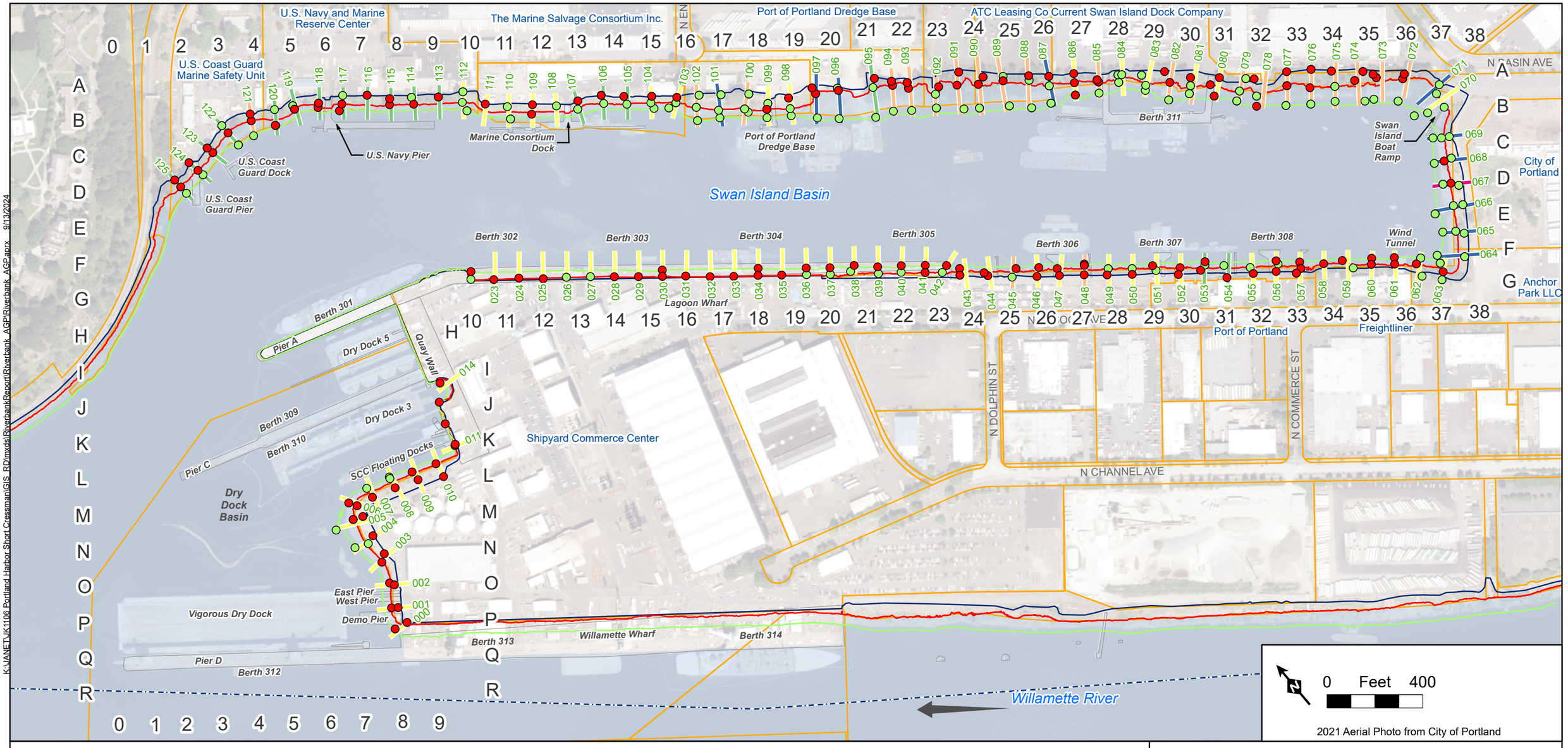
Sample Summary/Depth			
Depth/ Elevation	0-1 feet	1-2 feet	2-3 feet
TOB	90	40	17
OHW	111	31	10
MLW	75	24	1
Total (399)	276	95	28

Figure 4-1

Riverbank Soil Sample CUL Exceedances

Prepared on: 9/13/2024
Riverbank Characterization Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
MOTT MACDONALD
BRIDGEWATER GROUP



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Federal Navigation Channel (USACE, 2020)
Docks and Structures
Tax Lot Boundary
Top of Bank (TOB)
Ordinary High Water (OHW)
Mean Low Water (MLW)

M Project Area Grid Label

River Flow Direction

Riverbank Sample Location
- At least one ROD COC Above RAL
- No ROD COCs Above CUL

Bank Erosion Hazard Index (BEHI) Rating
- Extreme
- Very High
- High
- Moderate
- Low

Notes:
COC – Contaminants of Concern
RAL – Remedial Action Level
ROD – Record of Decision
SCC – Shipyard Commerce Center
USACE – U.S. Army Corps of Engineers

TOB Source – City of Porland Lidar, 2019
OHW and MLW Source – EPA, 2019

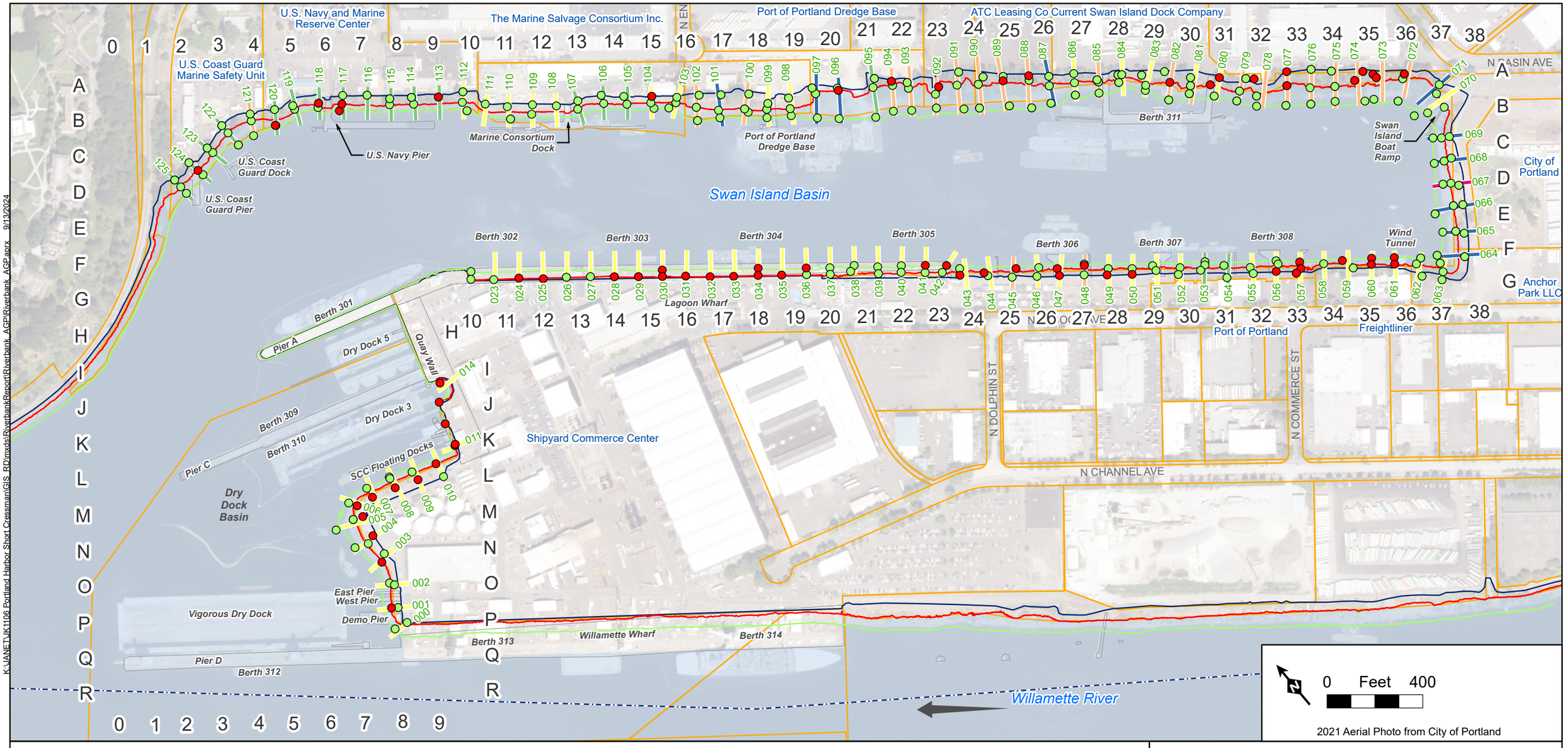
Sample Summary/Depth			
Depth/ Elevation	0-1 feet	1-2 feet	2-3 feet
TOB	90	40	17
OHW	111	31	10
MLW	75	24	1
Total (399)	276	95	28

Figure 4-2

Riverbank Soil Sample RAL Exceedances

Prepared on: 9/13/2024
Riverbank Characterization Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL MOTT MACDONALD
BRIDGEWATER GROUP



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Federal Navigation Channel (USACE, 2020)
Docks and Structures
Tax Lot Boundary
Top of Bank (TOB)
Ordinary High Water (OHW)
Mean Low Water (MLW)

M Project Area Grid Label

River Flow Direction

Riverbank Sample Location
- At least one ROD COC Above PTW
- No ROD COCs Above PTW

Bank Erosion Hazard Index (BEHI) Rating
- Extreme
- Very High
- High
- Moderate
- Low

Notes:
COC – Contaminants of Concern
PTW – Cleanup Level
ROD – Principal threat waste
SCC – Shipyard Commerce Center
USACE – U.S. Army Corps of Engineers

TOB Source – City of Porland Lidar, 2019
OHW and MLW Source – EPA, 2019

Sample Summary/Depth			
Depth/ Elevation	0-1 feet	1-2 feet	2-3 feet
TOB	90	40	17
OHW	111	31	10
MLW	75	24	1
Total (399)	276	95	28

Figure 4-3

Riverbank Soil Sample PTW Exceedances

Prepared on: 9/13/2024
Riverbank Characterization Data Report
Swan Island Basin

PACIFIC groundwater GROUP
HGL
MOTT MACDONALD
BRIDGEWATER GROUP

ATTACHMENTS

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ATTACHMENT A
ERODIBILITY POTENTIAL INPUT

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ATTACHMENT A.1
PHYSICAL SHORELINE INSPECTION FORMS

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Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	000
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	2 %	One shrub about 5 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 36" max	5 %	Stable	Within one foot of OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrub	2 %	5 %	5 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	10%	0%	60%	30%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Yes. Erosion from 5 feet to 8 feet above OHW. No quarry spalls or vegetation present in this area.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Quarry spalls. Rock in good condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Transect in SCC dry dock area. Assessed riverbank from SCC upland above transect. Two vessels observed in dry dock during assessment.

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site









Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	001
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	15 %	Sporadic vegetation from 3 feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Rock - Quarry spalls. 10" minus	60 %	Stable	From toe of slope to 5 feet above OHW. Quarry spalls mixed into fill from 5 feet above OHW to top of slope	
Riprap - 24" max	5 %	Stable	Riprap mixed in with quarry spalls	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Small trees	5 %	15 %	15 %	Trees from 10 feet above OHW to top of bank.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	5%	0%	50%	45%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Adjacent to a boat ramp. It appears that fill may have been deposited on the slope over quarry spalls and/or riprap.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





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SIB Project Area, Portland Harbor Superfund Site



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SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	002
Use of river bank segment:	SCC drydock basin area
Bank Angle:	10 degrees. Then 30 degrees.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	25 %	Vegetation from OHW to 12 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Gravel - 1" minus	20 %	Unstable	From 12 feet above OHW to top of slope. Placed over exposed soil that was eroding.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	20 %	15 %	15 %	Blackberries from OHW to 8 feet above OHW.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	5%	0%	90%	5%	
0%	0%	5%	0%	80%	20%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Soil within 6 feet of the top of the bank is eroding and is covered with a 1- to 2-inch layer of gravel. Gravel and soil in this area continues to erode down the bank. We suspect that the erosion is caused by sheet flow from an upland parking area.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Quarry spalls and gravel both in good condition. Gravel is not protecting against erosion.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
A 12-inch steel outfall adjacent to transect. Higher gravel content near OHW. Lower gravel content near top of the slope (even though gravel was placed on the surface).

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

















Physical Shoreline Inspection Form
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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	003
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	25 %	Vegetation from two feet above OHW to 2 feet below the top of the bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Quarry spalls. 10" minus	30 %	Stable	Toe of bank to 2 feet above OHW.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrubs	25 %	10 %	10 %	Shrubs from two feet above OHW to two feet below OHW.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

Similar soil conditions to the last transect. Bank is exposed within 10 feet of the top of the bank, but minimal erosion is present. A parking lot is at the top of the slope. Imported fill appears to have been placed at the top of the slope to build out the slope for staging materials.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	004
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	20 %	From OHW to 4 feet below top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Quarry spalls. 10" minus	20 %	Stable	From toe of slope to OHW	
Gravel - 1" minus	5 %	Unstable	Within 3 feet of top of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Small trees	5 %	20 %	20 %	From 3 feet to 15 feet above OHW
Grass	15 %	5 %	5 %	From 10 feet to 15 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Gravel at the top of the slope appears to be slightly eroding down the slope. Plants appear to have been recently installed on the slope.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Recent plantings on the slope. Mulch and imported fill also placed on the slope.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
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Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott Macdonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	005
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	10 degrees. 25 degrees. 10 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	Woody debris within 2 feet of OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Quarry spalls. 10" minus	25 %	Stable	From toe of slope to OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Conifer	1 %	2 %	2 %	Plants installed in the past few years.
Shrubs	15 %	10 %	10 %	Shrubs from OHW to 8 feet above OHW.
Shrubs (Live Stakes)	1 %	2 %	2 %	Shrubs planted within five feet of the top of the bank.
Grass	10 %	5 %	5 %	Grass on the shallower slope from 5 to 8 feet below the top of the bank.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Live stakes completed in past three years
Presence of Aquatic Vegetation?	☐ Yes ☑ No

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Similar soil conditions to the last transect. Similar imported fill and mulch.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site









Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	006
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	20 degrees. Bench. 20 degrees.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	12 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	50 %	From OHW to the top of the bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Quarry spalls. 10" minus	20 %	Stable	From toe of slope to OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	25 %	20 %	20 %	Grass on a bench extending to the top of the bank.
Shrubs	25 %	25 %	25 %	Shrubs on the bank between OHW and the bench.
Oak tree	1 %	4 %	4 %	One oak tree.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Live staking a couple years ago
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Similar soil conditions to the last transect. A 15-foot wide bench/terrace is present 5 feet below the top of the bank. A parking lot is at the top of the bank. Floating docks observed offshore of the bank. Irrigation pipe observed across the bank at the lower end of the bench.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	008
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	15 degrees. Bench. 15 degrees.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	12 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	30 %	Sporadic vegetation from OHW to bench. 90% coverage from bench to top of slope	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rock - Quarry spalls. 10" minus	20 %	Stable	From toe of slope to OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrubs	5 %	8 %	8 %	Sporadic shrubs from OHW to the bench/terrace.
Grass	20 %	20 %	20 %	Grass on the bench extending to the top of the slope.
Live stakes (confiers)	1 %	1 %	1 %	On the bench extending to the top of the slope.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Live staking and imported fill.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
90% of soil is exposed from OHW to the bench. The bench is 8 feet below the top of the bank. Soil conditions are similar to the last transect. Material is an imported silty matrix.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	009
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	15 degrees. Bench. 15 degrees.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	25 %	Sporadic vegetation from 8 feet above OHW to bench. Full vegetation from bench to top of slope.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rock; Quarry spalls. 10 inch minus	35 %	Stable	Thick coverage from toe of slope to OHW. Coverage gradually thins out from OHW to 8 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrubs	15 %	20 %	20 %	Sporadic shrubs from 8 feet above OHW to bench. Shrubs on bench and slope to top of bank.
Grass	15 %	10 %	10 %	Grass mixed in with shrubs on bench and to top of slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Live staking and improted fill

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Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
40% of soil from the bench/terrace to OHW is exposed. Soil is imported material that has silt and mulch similar to the last transect. Bench/Terrace is 8 feet below the top of the bank. A walking path, with flattened vegetation, was observed on the bench. Irrigation pipe observed along the downstream end of the bench.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	010
Use of river bank segment:	SCC dry dock basin area. Gravel road near top of the bank.
Bank Angle:	25 degrees. Bench. 10 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	30 %	Vegetation from 2 feet above OHW to 5 feet below top of the bank and above the gravel road.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rock - Quarry spalls. 10" minus	25 %	Stable	From toe of slope to 2 feet above OHW.	
Gravel: 3" minus	10 %	Stable	15-foot-wide gravel road is two feet below the top of the bank.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrubs	15 %	20 %	20 %	From two feet above OHW to the gravel road.
Grass	15 %	10 %	10 %	From five feet below the gravel road to the top of the bank, except for the width of the gravel road.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Plantings and imported fill

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Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
15-foot-wide gravel road located two feet below the top of the bank. The slope is imported fill, similar to previous transects. 25% of soil from 2-feet to 6-feet above OHW is exposed. The irrigation pipe ends at this transect.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	011
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Rock - Quarry spalls. 10" minus.	10 %	Stable	Toe of slope to base of sheet pile.	
Retaining Walls - Sheet pile. 26 feet above current water level	90 %	Stable	Top of bank to below the current water level.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	30%	0%	10%	60%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	The sheet pile wall appears to be in good condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

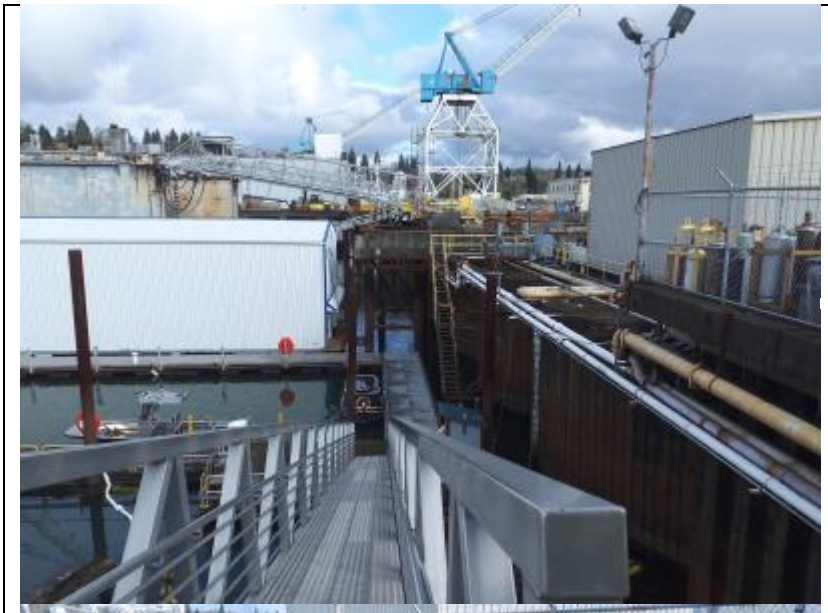
GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Sheet pile wall extends along entire length of the dry dock area between transects 011 and 018. Gravel fill is behind sheet pile wall (at least that is what is visible from the ground surface above the wall).

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	012
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Same as transect 011

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Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	013
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Same as transects 011.

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Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	014
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	Sheet pile. 15 degrees. Concrete
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	2 %	Within one foot of the base of a concrete retaining wall	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Retaining Walls - Unknown	10 %	Stable	From 11 feet NAVD to an unknown depth	Steep sheet pile
Riprap -2.5' maximum	15 %	Stable	Between sheet pile and concrete retaining wall. From current water level to 2 feet above OHW	
Retaining Walls - 15 feet	65 %	Stable	From top of the bank to 2 feet above OHW	Concrete retaining wall

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	2 %	2 %	2 %	Blackberries within one foot of the base of the concrete retaining wall.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Sheet pile wall below current water level. Concrete retaining wall. Both are in good condition and are protective against erosion.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Piping observed across the concrete retaining wall. Road at top of the bank.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	015
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Same as transect 011.

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	016
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

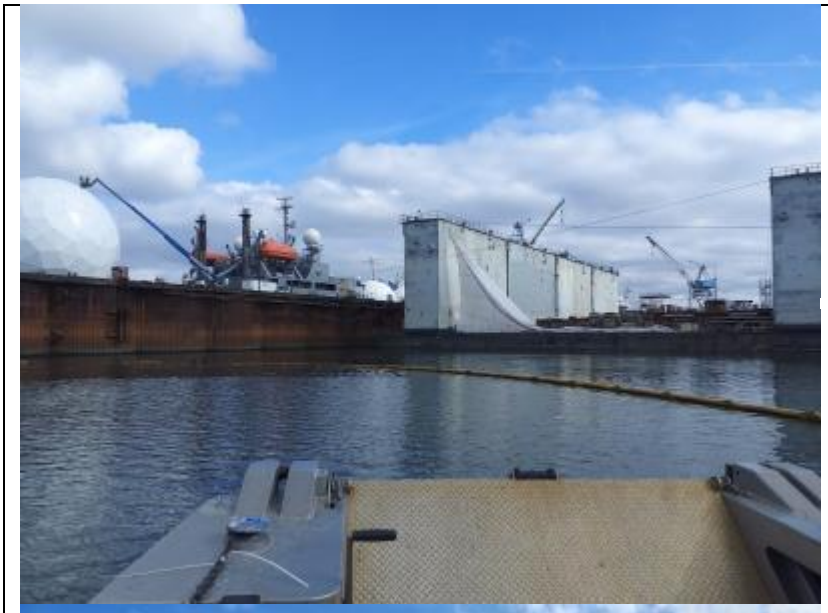
GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

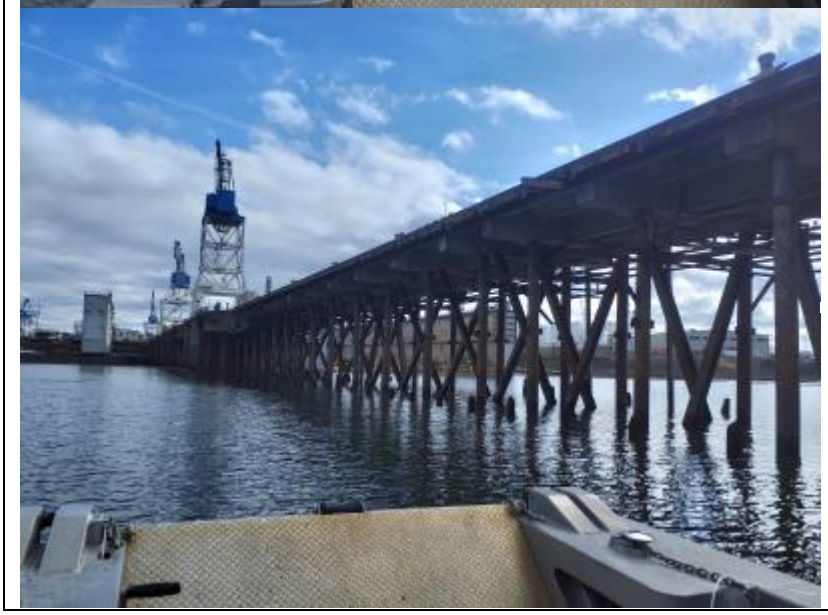
Additional Notes / Observations:
Same as transect 011

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Photos:

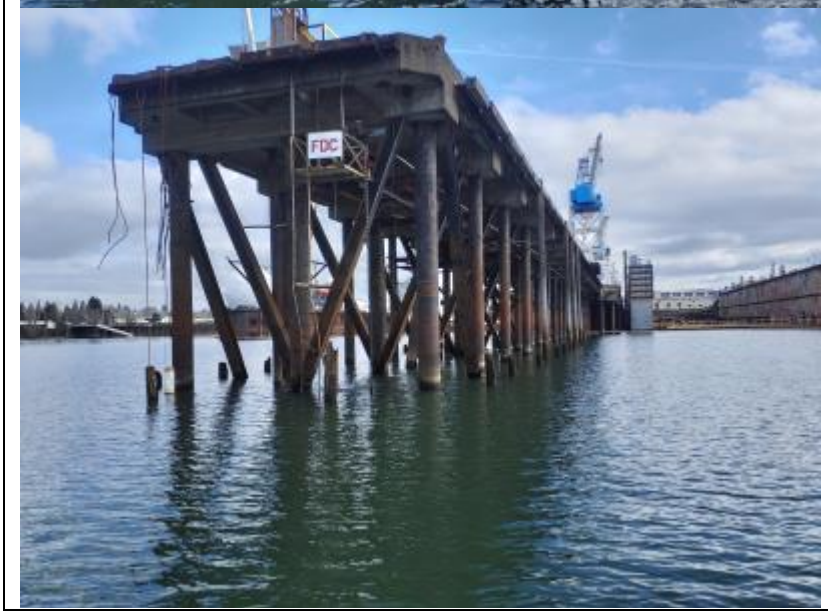
Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	017
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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SIB Project Area, Portland Harbor Superfund Site

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

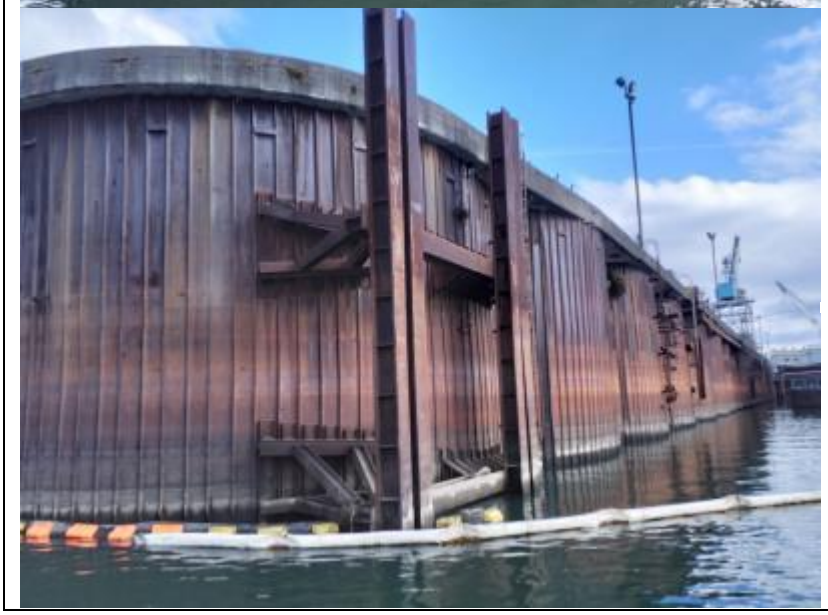
GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Same as transect 011. Sheet pile wall.

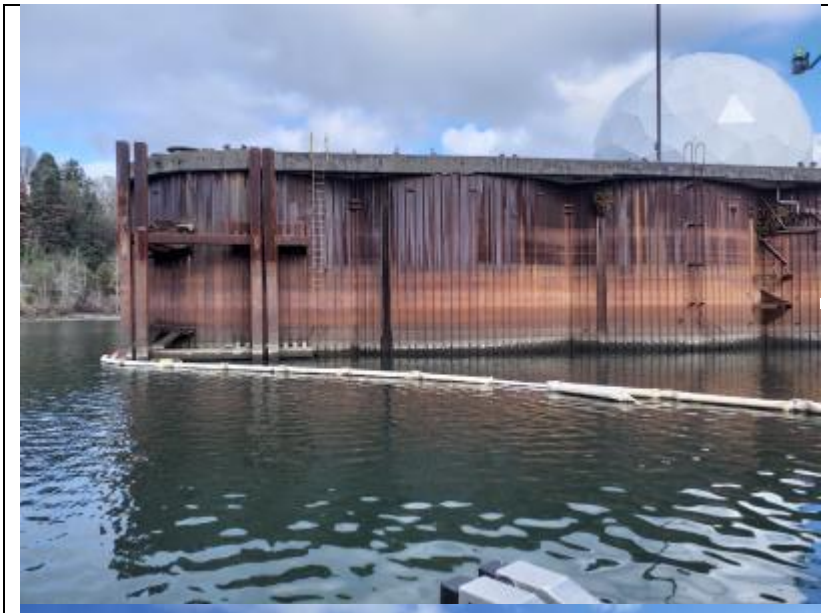
Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Photos:





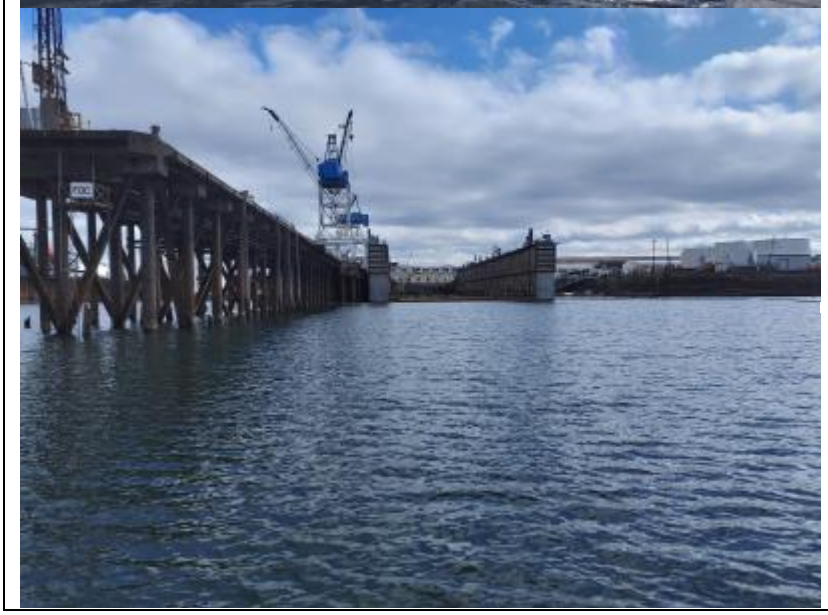
Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





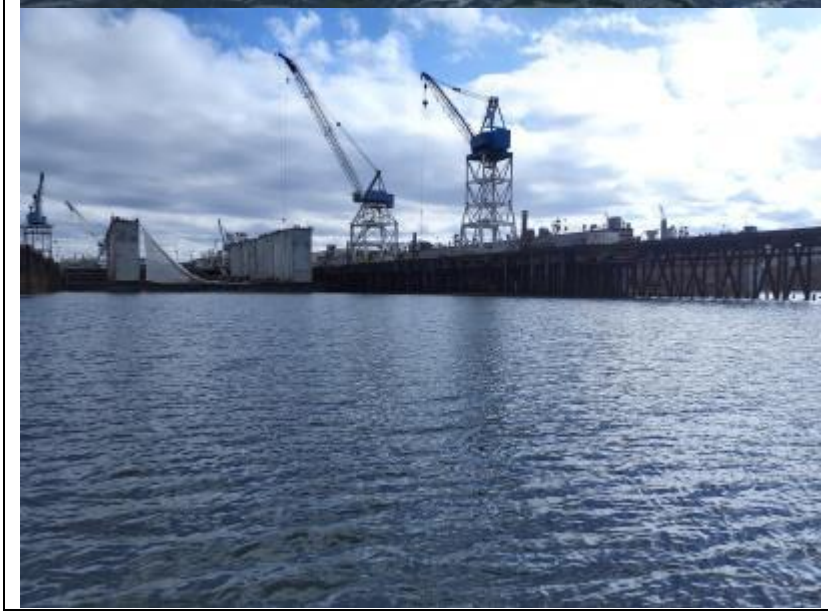
Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	018
Use of river bank segment:	SCC dry dock basin area
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Same as transect 011. Sheet pile wall.

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	019
Use of river bank segment:	SCC Berth 301/Pier A
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Same as transect 011. Sheet pile wall.

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SIB Project Area, Portland Harbor Superfund Site

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	020
Use of river bank segment:	SCC Berth 301/Pier A
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Same as transect 011. Sheet pile wall.

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SIB Project Area, Portland Harbor Superfund Site

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	021
Use of river bank segment:	SCC Berth 301 - Berth 302 area
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Same as transect 011. Sheet pile wall.

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SIB Project Area, Portland Harbor Superfund Site

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	022 - 023
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	From OHW to 2 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock and Boulders	10 %	Stable	From current water level to top of the slope (below exposed sheet pile wall).	
Rock and Cobbles - 9" max	25 %	Stable	From current water level to top of the slope (below exposed sheet pile below).	
Retaining Walls - Sheet pile	50 %	Stable	From 20 feet above OHW to top of the bank.	
Concrete - 1' max	5 %	Stable	Mixed in with cobbles and boulders.	
Other - Asphalt. Broken. 2 foot max	5 %	Stable	Mixed in with cobbles and boulders.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile visible at 20 feet above OHW

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Four cut-off timber piles, spaced five-feet apart, extending offshore of the transect. A soft boom is present offshore of the transect from the rivermost cut pile. Much less exposed soil observed than at transect 024. Soil similar to other transects beneath the wharf.

Photos:

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SIB Project Area, Portland Harbor Superfund Site



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	024
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	From OHW to three feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock/Boulders - 2.5' Max	20 %	Stable	From current water level to three feet above OHW	
Rock/Cobbles - 6" minus	40 %	Stable	From current water level to top of the slope (base of exposed sheet pile wall)	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

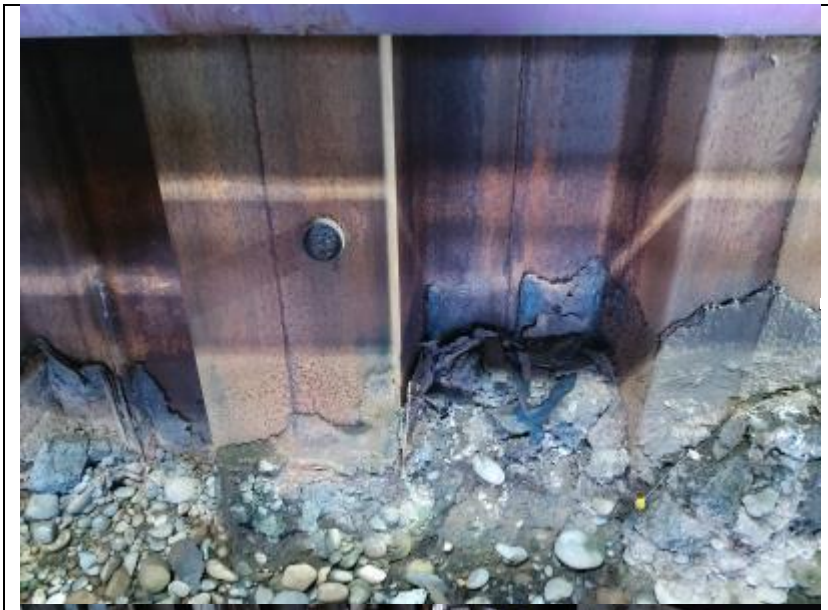
Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Sheet pile wall about 22 feet above OHW
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil within five feet of the sheet pile wall is 50 percent exposed. Soil similar to other transects in this area that was observed on February 15, 2022. Cut-off, timber piles are spaced five feet offshore from the slope. A soft boom is 20 feet offshore. A vessel is moored 20 feet offshore from the soft boom.

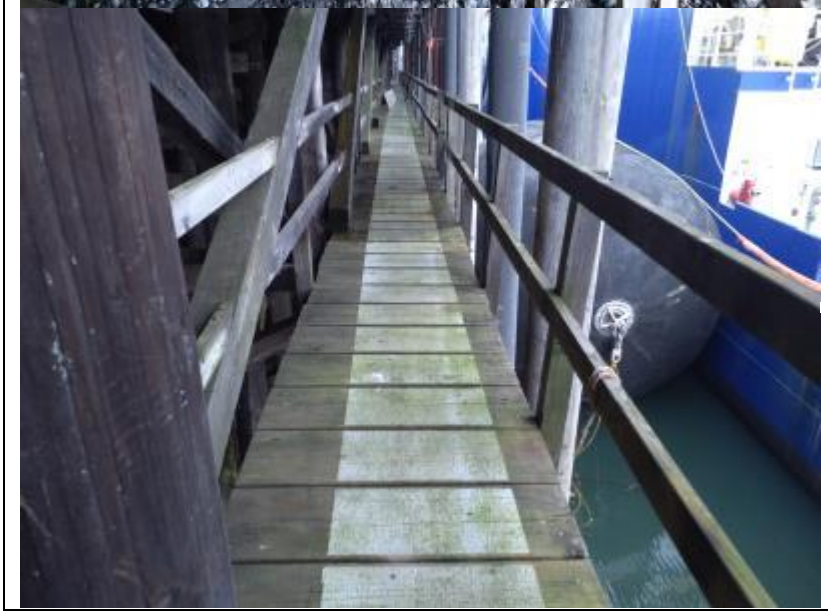
Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site



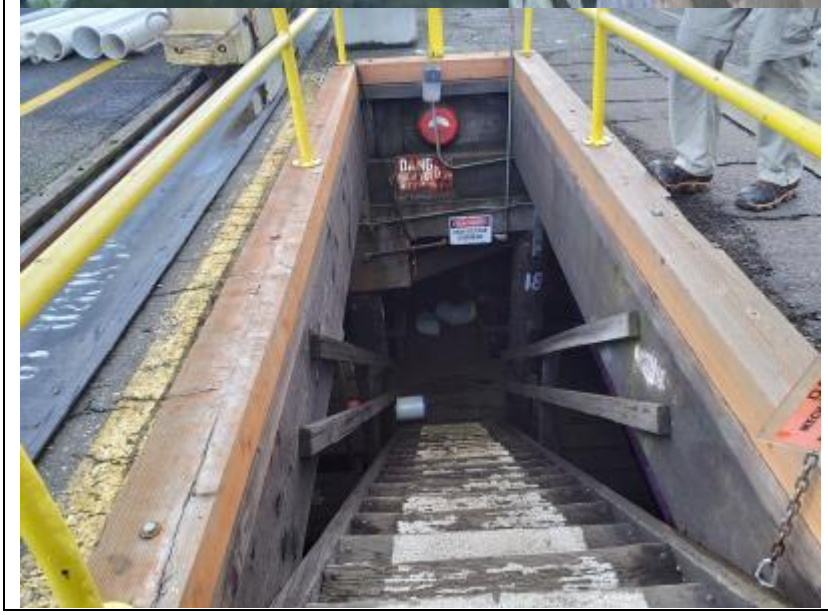






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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	025
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	Water level is at MHW
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	From current water level to three feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Rock/Boulders - 2' max	15 %	Stable	From OHW to 3 feet below sheet pile wall	
Rock/Cobbles - 10" max diameter	60 %	Stable	From toe of slope to sheet pile wall	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Sheet pile wall at 22 feet above OHW. In good condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

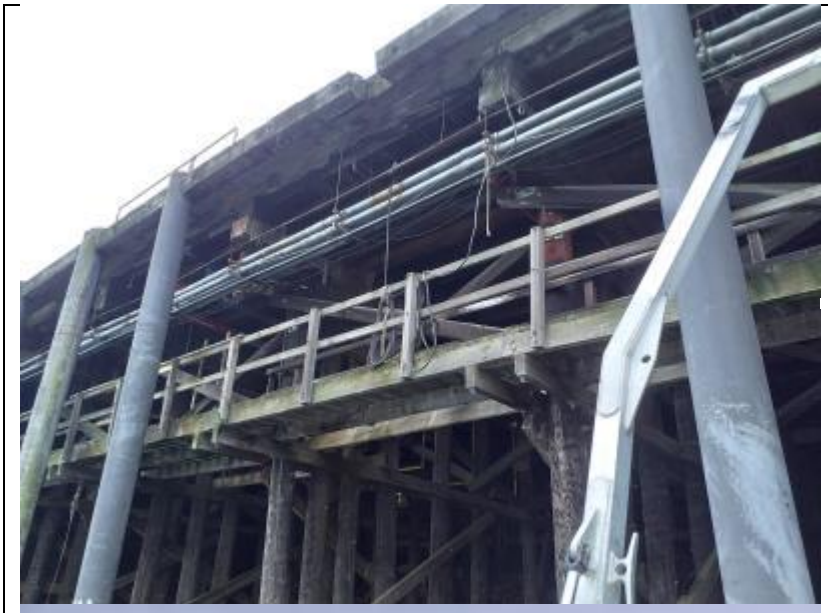
Additional Notes / Observations:
Thirty percent of soil within 10 feet of sheet pile wall is exposed. Cut-off timber piles are offshore from the bank, spaced every 3 feet. A soft boom is about 20 feet offshore from the toe of the slope.

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	026
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	MHW 10.3 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	3 %	From 3 feet to 6 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Rock/Boulders - 2.5' max	10 %	Stable	From OHW to 10 feet above OHW	
Rock/Cobbles - 10" max	75 %	Stable	From toe of slope to base of sheet pile wall	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Sheet pile wall 20 feet above OHW
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Five percent of soil within 5 feet of sheet pile wall is exposed. Cut-off timber piles are offshore of the bank, spaced 3 to 5 feet. Soil is similar to other transects below the wharf.

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	027
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	From current water level to 5 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Rip rap: 2' max	10 %	Stable	From current water level to five feet above OHW	
Rock: Quarry spalls/ cobbles (8" max)	60 %	Stable	From current water level to 12 feet above OHW (bottom of exposed sheet pile wall)	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile wall similar to previous transect
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil matrix similar is to transect 026. Cut-off timber piles are present, spaced every 3 feet from the toe of the slope. Unable to access shoreline. Assessed bank from 20 feet away. Soil exposed between 10 and 12 feet above OHW.

Photos:















Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	028
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	5 %	From OHW to 5 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Riprap - 2' max	5 %	Stable	From current water level to 8 feet above OHW	
Rock - Quarry spalls and cobbles (10" minus)	70 %	Stable	From current water level to 12 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

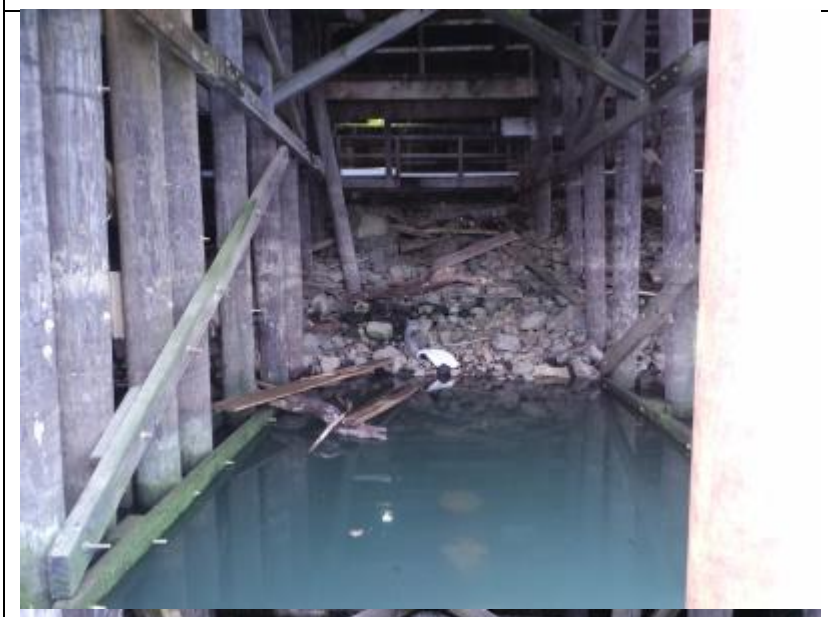
Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile wall similar to transects 022 - 027.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil matrix similar to the last transect. Cut-off timber piles are spaced every 3 feet from toe of slope. Unable to access shoreline. Assessed bank from 20 feet away. Steel piles at the riverward end of the wharf seem to have replaced timber piles.

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	029
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	From current water level to five feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Riprap -2.5' max	10 %	Stable	From current water level to five feet above OHW	
Rock - Quarry spalls, 8" minus	30 %	Stable	From current water level to 10 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile. Similar to previous transects under wharf.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil matrix is similar to the last transect. Cut-off timber piles are spaced every 3 feet from the toe of the slope. Unable to access shoreline. Assessed bank from 20 feet away. Exposed soil within a couple feet of the sheet pile wall.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site



Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	030
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	From current water level to two feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Rock - Quarry spalls, 12" minus	50 %	Stable	From current water level to 2 feet above OHW. Gradually thins out up to 12 feet above OHW.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile wall begins at 12 feet above OHW.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Soil matrix similar to the previous transect. Cut-off timber piles are spaced every 3 feet from the toe of the slope. Unable to access shoreline. Assessed bank from 20 feet away.

Photos:


Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/16/2022

Reviewed by: _____ Date: _____

River Mile Segment:	031
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	From OHW to 5 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Riprap - 2' max	10 %	Stable	Current water level to 8 feet above OHW	
Rock - Quarry spalls. 8" minus	75 %	Stable	Current water level to base of steel sheet pile (12 feet above OHW)	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile wall beginning at 12 feet above OHW
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil matrix similar to previous transect. Cut-off timber piles are spaced every 3 feet on center from the toe of the slope. Unable to access shoreline. Accessed bank from 20 feet away. Concrete piles are outside of the piles of wharf.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site









Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	032
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Rip rap - 2.5' feet max	20 %	Stable	Current water level to 5 feet above OHW	
Rock - Quarry spalls, 8" minus	30 %	Stable	Current water level to 5 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile visible at 12 feet. Unknown height.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Similar soil matrix to previous transect. Cut-off timber piles are offshore of the bank, spaced every 3 feet. Soil above 6 feet above OHW is 90 percent exposed.

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	033
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	From current water level to 4 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rip rap - 2.5' max, 12" d50	20 %	Stable	From current water level to 8 feet above OHW.	
Rock - Quarry spalls, 8" minus	50 %	Stable	From current water level to 8 feet above OHW. Decreases until the base of the exposed sheet pile wall at 12 feet OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Sheet pile wall visible starting at 12 feet OHW. Appears to be in good condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

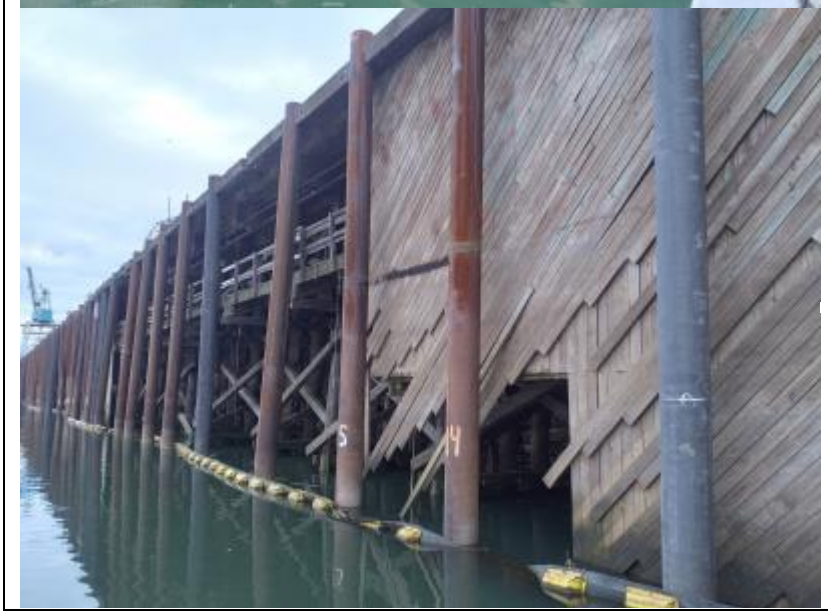
Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil matrix similar to previous transects. Cut-off timber piles offshore from the bank, spaced every 5 feet. Soil is 50 percent exposed between 8 and 12 feet above OHW.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site



Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	034
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	5 %	From OHW to 10 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Rip rap - 2.5' max, 14" d50	20 %	Stable	From current water level to 6 feet above OHW	
Rock/Boulders - 2.5' max	20 %	Stable	From current water level to 6 feet above OHW	
Rock/Cobbles - 8" max, 6" d50	55 %	Stable	From current water level to top of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	It is hard to tell for sure if there is sheet pile at this transect. Material is visible up to about 12 feet above OHW. Sheet pile is likely behind that elevation, but it is hard to see.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
See sheet pile comment on page 2. Soil matrix is similar to previous transects. Cut-off timber piles are offshore from the bank, spaced every 3 feet. Steel piles are on the end of the wharf.

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	035
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile wall. Height unknown. Material extends up to 12 feet above OHW. Steel sheet pile appears to be buried beneath material.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Steel sheet pile wall present. Soil matrix is similar to previous transects. Cut-off timber piles offshore from the toe of the slope, spaced every 5 feet.

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Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	036
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	10 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	5 %	OHW to 5 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Rock/Cobbles - 5" Max, 2" d50	85 %	Stable	Cobbles from OHW to base of exposed sheet pile wall (3 feet above OHW)	
Rock/Boulders - 2' Max	3 %	Stable	Within one foot of OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Steel sheet pile wall is in good shape. Approximately 20 feet high. Bottom of wall is about three feet above OHW
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Soil matrix looks similar to previous transects under the wharf. Sheet pile wall is present at the top of the bank. Cut-off timber piles are offshore from the toe of the bank, spaced every 5 feet. Timber piles also extend to OHW from the toe of the slope.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	037
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	Woody debris from OHW to 2 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Rock/Cobbles - 6" max diameter, 2" d50	15 %	Stable	Cobbles from current water level to 5 feet above OHW	
Rock/Boulders: 18" max	2 %	Stable	Boulders within one foot of OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
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Additional Notes / Observations:
Same soil matrix similar to the previous transect under the wharf. Unable to access shoreline. Assessed shoreline from 25 feet away. Cut-off timber piles are offshore of the transect, spaced every 5 feet. Steel piles have replaced most offshore timber piles for the wharf. Soil above 10 feet above OHW is exposed. Failure observed at ground surface of the wharf from aboveground.

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	038
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	Woody debris from OHW to 10 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Rock/Cobbles - 8" Max. 3" d50.	20 %	Stable	Cobbles from current water level to 12 feet above OHW	
Rock/Boulders - 2' Max	5 %	Stable	Boulders from OHW to 5 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

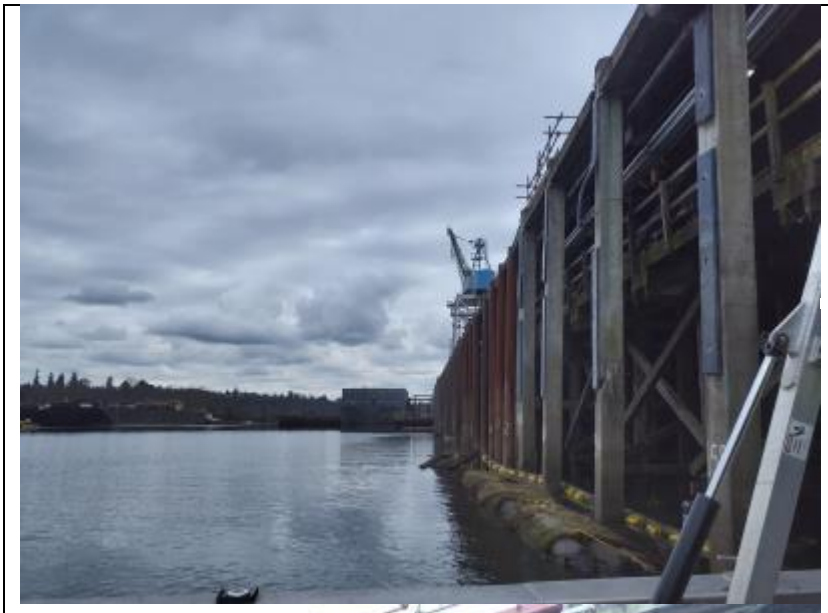
GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil matrix similar to previous transect under the wharf. Unable to access shoreline. Assessed from 20 feet away. Timber piles are supporting timber dock above the bank. Exposed soil above 15 feet above OHW. Timber piles extend to OHW from the toe of the slope slope. Cut-off timber piles extend from the toe of the slope into SIB, and spaced every 5 feet.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	039
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	Woody debris from OHW to 5 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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SIB Project Area, Portland Harbor Superfund Site

Rock/Cobbles - 8" max. 3" d50	15 %	Stable	Cobbles from OHW to 10 feet above OHW.	
Rock/Boulders – 18" max.	5 %	Stable	Boulders from current water level to 3 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil matrix similar to previous transect under the wharf. Unable to access shoreline, and assessed shoreline from about 20 feet away. The bank consists of exposed soil above 8 feet above OHW. Timber piles extend from toe of slope to OHW.

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	040
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	From OHW to 5 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Rock/Cobbles - 8" Max, 2.5" d50	50 %	Stable	From current water level to 20 feet above OHW. Cobble gradation gets smaller as you go up the bank.	
Rock/Boulders - 1.5' Max	5 %	Stable	Boulders from current water level to 10 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:

Soil matrix similar to previous transect under the wharf. Cobbles are present on the slope, but only protect 50 percent of the slope. Timber piles support a timber deck above the bank. Cut-off timber piles are at the toe of the slope. Timber braces extend to OHW from the toe of the slope. Unable to access shoreline. Assessed shoreline from 20 feet away.

Photos:



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	041
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	Woody debris present from OHW to 15 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
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Rock/Cobbles - 8" Max, 5" d50	50 %	Stable	Cobbles from current water level to 20 feet above OHW	
Rock/Boulders: 2' Max	25 %	Stable	Rock mixed in with cobbles	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Same soil matrix as the previous transect under the wharf. Timber and steel piles present. Unable to access shoreline. Assessed bank from 20 feet away. Rock thins gradually starting at 10 feet above OHW as you go up the slope.

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	042
Use of river bank segment:	SCC lagoon wharf
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Boulders and cobbles. 2.5' Max, 3" d50	25 %	Stable	Rock from 5 ft above OHW to current water level	
Other - 8" x 8" timber	1 %	Stable	2-ft-high timbers from 1 ft to 3 ft below OHW	Timber piles are holding back material. Timber in fair condition.

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	5%	40%	0%	5%	40%	Latitude 45.5678801,Longitude -122.7218232

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber across slope
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
Soil is exposed above 10 feet above OHW. The transect is below the south end of the beginning of the SCC wharf. A timber deck is supported by timber piles. The timber piles are splintering. The piles closest to the water are steel (likely replaced timber piles that were broken).

Photos:























Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	043
Use of river bank segment:	SCC Berth 305 area. Vessel moored 30 feet offshore
Bank Angle:	40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Cobbles and boulders. 2.5' Max, 10" d50	35 %	Stable	Rock from toe of slope to 4 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	30 %	35 %	35 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Unable to assess soil characteristics. Unable to access bank. Performed assessment from 40 feet away. Timber piles cut at toe of the slope.

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Photos:





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SIB Project Area, Portland Harbor Superfund Site



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	044
Use of river bank segment:	Berth 305 - Berth 306 area
Bank Angle:	40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	30 %	Vegetation from top of slope to 15 feet below top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
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Concrete - 12" Max	15 %	Stable	Concrete chunks from 4 feet above OHW to current water level	
Rock - Cobbles, 6" Max. 2" d50.	%		Cobbles mixed with concrete chunks	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Scottish brooms	15 %	25 %	25 %	Scotch broom extends from 5 feet below the top of the slope to the top of the slope.
Grass	15 %	5 %	5 %	Grass from 8 feet below the top of the slope to the top of the slope.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	20%	35%	%	5%	40%	Latitude 45.5642626,Longitude -122.7134936

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Yes. Some sloughing is present about 5 feet below the top of the bank.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Concrete slabs appear to have been placed over the bank. Viewed slope from 40 feet away. Unable to access bank. Transect is adjacent to a pier. Erosion is evident. Soil is present near OHW.

Photos:

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Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	045
Use of river bank segment:	Berth 304 and 305 area
Bank Angle:	40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	10 %	Vegetation from top of slope to 8 feet below top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Concrete - Slabs that are 5' to 10' in size and several feet thick	35 %	Sloughing Into River	From toe of slope to 15 feet above OHW	It appears that there used to be a structure at this transect. The concrete appears to be poured down the slope around where timber piles were drilled. The concrete is hard in some places and soft in other places.

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Scotch broom	15 %	20 %	20 %	Shrubs within 7 feet of top of slope
Tree	1 %	5 %	5 %	Tree at 20 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	5%	40%		40%	15%	Latitude 45.5659026,Longitude -122.7119826
%	25%	30%	%	30%	15%	

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Erosion evident in areas where concrete is not placed. Most evident from 15 to 22 feet above OHW.
Evidence of previous river bank SCMs. Describe current	Concrete in poor condition. Cracking and crumbling.

integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Second area of soil near toe of slope. More cobbles are present at the toe. Soil conditions are variable due to imported material on the slope. Material is eroding around 20 feet above OHW and appears to have high sand content. Unable to access bank.

Photos:

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SIB Project Area, Portland Harbor Superfund Site

















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SIB Project Area, Portland Harbor Superfund Site





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	046
Use of river bank segment:	Berth 306
Bank Angle:	40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	50 %	Vegetation from two feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Other -8" x 8" timber	1 %	Stable	Timber is mostly buried around 3 feet below OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Scotch broom	5 %	5 %	70%	Scotch broom near top of slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	20%	30%	0%	40%	10%	Latitude 45.5659026,Longitude -122.7119826

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Horizontal timber pile across slope at three feet below OHW.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Unable to access shoreline. Soil assessment made near OHW

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Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	047
Use of river bank segment:	Pier for vessel moorage at Berth 306
Bank Angle:	35 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	70 %	From OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Quarry spalls and cobbles. 10" Max, D50 of 2.5"	15 %	Stable	Stone from OHW to toe of slope. Protection within 3 feet of OHW is thin. Soil is exposed.	
Other - 8" x 8" timber pile	2 %	Unstable	Pile is 3 feet below OHW. It is broken and is falling into the water.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	70 %	75 %	75 %	Blackberries from OHW to top of slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Material that was behind horizontal timber pile is falling down the slope. This is not necessarily erosion, because it appears to be stable in locations where this is happening.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber pile across bank
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Soil similar to previous transect. Unable to access shoreline. 6-inch steel conduit (stormwater outfall) adjacent to the transect. Pier (part of berth 306) adjacent to the transect on the other side.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	048
Use of river bank segment:	Berth 306 area
Bank Angle:	35 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	40 %	3 feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Boulders, 2' Max	5 %	Stable	2 feet above OHW to toe of slope	
Other - 8" x 8" timber piles that are 2' high	5 %	Unstable	From 1 below OHW to 3 feet below OHW	Timber piles are acting as a retaining wall. Piles are bulging from the weight of material behind them.

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	30 %	40 %	40 %	From 3 feet above OHW to 8 feet below top of slope
Shrubs	10 %	20 %	20 %	From 5 feet below top of slope to top of slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber piles are acting as a retaining wall. They are in poor condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Soil is silt, clay, and sand. Soil appears to be sloughing down the slope. There is no erosion evident in areas where the timber piles have failed. Unable to access the shoreline. 6-inch steel conduit adjacent to the transect (stormwater outfall).

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	049
Use of river bank segment:	Between Berths 306 and 307
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	45 %	Vegetation from 5 feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Boulders, 2.5' Max.	5 %	Stable	From 5 feet above OHW to toe of slope	
Other - 8" x 8" timber piles across the slope	1 %	Unstable	Timber piles are across slope at about 3 feet below OHW. Material is moving around the timber piles. Not necessarily erosion because the timber piles aren't necessarily protecting the slope. Material has started sliding underneath it.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	45 %	50 %	50 %	Blackberries from 5 feet above OHW to the top of the slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	Latitude 45.5632709,Longitude -122.7112

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber piles across the slope about 3 feet below OHW

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Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Soil around the water level appears to be gravelly sand. A 6-inch steel conduit is adjacent to transect (stormwater outfall). Unable to access the shoreline.

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	050
Use of river bank segment:	Berth 307 area
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	Vegetation from OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Cobbles, 6" Max, 2.5" d50	25 %	Stable	OHW to current water level	
Other - 8" x 8" timber pile	1 %	Unstable	One timber pile across the slope about 3 feet below OHW. Supports are breaking and falling into the river.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	40 %	45 %	45 %	Blackberries from OHW to top of slope
Shrubs	25 %	301 %	30 %	Other shrubs mixed in with blackberries from OHW to top of slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber pile three feet below OHW
Presence of Aquatic Vegetation?	☐ Yes ☑ No

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Assume soil is similar to previous transects. Unable to access shoreline. Assessed bank from about 50 feet away. Dolphin offshore of bank. Multiple cutoff piles offshore from the bank.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	051
Use of river bank segment:	Berth 307 area
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	70 %	From OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - Quarry spalls, 6" Max, 3" d50.	25 %	Stable	From OHW to current water level	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Tree	1 %	5 %	5 %	Tree @ 10 feet below top of slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber piles across the slope below OHW. In fair condition. Less erosion around timber piles than previous transect.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Broken 6-inch steel conduit adjacent to transect (stormwater outfall?) Cut-off timber piles offshore of the bank. Unable to access transect. Viewed from about 100 feet away.

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	052
Use of river bank segment:	Berth 307 area
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	50 %	Vegetation from top of slope to 2 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - 8" Max, 4" d50 quarry spalls	40 %	Unstable	Rock from two feet above OHW to current water level	
Rock - 8" Max, 4" d50 cobbles	5 %	Unstable	Cobbles mixed in with Quarry spalls	Rock eroding below timber piles and is undermining the timber piles
Other	5 %	Unstable	Timber piles across slope. Two feet high from OHW to two feet below OHW	Timber piles are cracking due to undermining

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	10 %	10 %	10 %	Blackberries from two feet below OHW to 7 feet above OHW
Shrubs	20 %	20 %	20 %	
Grass	20 %	5 %	5 %	Grass from ten feet above OHW to the top of the slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and	Erosion beneath timber piles

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GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Not sure that the timber piles were placed for protection against erosion. The timber piles across the slope are in fair to poor condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Vessels moored about 40 feet from the toe of the slope. A 6-inch steel conduit is extending down the slope (stormwater outfall). Chain link fence at the top of the slope. A pier is immediately north of this transect. There appears to be a flow path or trail coming down the slope from about 6 feet below the top of the slope to 2 feet above OHW. Assume soil is similar to previous transects. Unable to walk the slope or get close to the shoreline.

Photos:

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Physical Shoreline Inspection Form
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Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	053
Use of river bank segment:	Berth 307 area
Bank Angle:	40
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	96 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	85 %	Vegetation on full slope, more rip rap near the bottom of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
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Riprap	25 %	Stable		Evidence of asphalt settlement above the top of the bank but slope appears stable

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees, scotch broom, blackberries	85 %	35 %	85 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	Latitude 45.562704333333336, Longitude -122.710914

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Same as adjacent.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Latitude 45.56270466666667,Longitude -122.71091433333333		  

Additional Notes / Observations:

Photos:

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This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	054
Use of river bank segment:	Between Berths 307 and 308
Bank Angle:	40
Alignment of the River:	
Width and Depth of the River:	~35' top of bank
Stream Velocity and Stage:	96 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	85 %	Vegetation on full slope, more rip rap near the bottom of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Riprap	25 %	Stable		Evidence of asphalt settlement above the top of the bank but slope appears stable

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees, scotch broom, blackberries	85 %	35 %	85 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	Latitude 45.562534666666664, Longitude -122.71061916666666

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Large longitudinal cracking along the bank at the top of the bank. Sections where slides appear to have developed on asphalt. Mooring appurtenance is uplifted and shifting toward water. Bank and vegetation on slope appears stable.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Latitude 45.56248333333333,Longitude -122.71055333333334		 

Additional Notes / Observations:

Photos:

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SIB Project Area, Portland Harbor Superfund Site





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SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	055
Use of river bank segment:	Berth 308
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	40 %	3 feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Concrete - 3' Max	5 %	Stable	Concrete mixed in the riprap and cobbles. Concrete extends up to 10 feet above OHW. Thins out slowly from OHW to 10 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrubs (blackberries plus other)	40 %	25 %	25 %	Shrubs from 3 feet above OHW to the top of slope. Blackberries present in middle of slope. Different shrubs at top of slope.
Trees	1 %	10 %	10 %	Two trees within a couple feet of the top of slope.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Assume soil conditions similar to previous transects. Unable to access the shoreline. Broken tree branches across the slope from from 10 to 15 feet above OHW. A 6-inch steel conduit extends down the bank (stormwater outfall). Broken timber piles near the toe of the slope.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	056
Use of river bank segment:	Port Berth 308
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	11 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	Woody debris from 3 feet below OHW to OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Rock - 12" Max, 4" d50 quarry spalls.	40 %	Stable	Quarry spalls from two feet above OHW to 10 feet NAVD.	Unable to see toe of slope. Percent based on what was visible.

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees	1 %	5 %	30 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Soil conditions similar to last transect. A 6-inch conduit going down slope of bank (stormwater outfall). Cut-off timber piles present at the toe of the slope and offshore from bank. Parking lot with fence at top of slope.

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Photos:

Physical Shoreline Inspection Form
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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	057
Use of river bank segment:	Berth 308 area
Bank Angle:	35 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	11 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	40 %	Patchy vegetation from 5 feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Other- 8" x 8" timber piles	1 %	Stable	Timber piles one foot above OHW	Timber piles across the bank one foot above OHW.

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrubs	15 %	8 %	8 %	Shrubs from 5 feet above OHW to the top of the slope. Coverage is thin and patchy.
Trees	1 %	5 %	5 %	Couple trees within couple feet of top of slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
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Additional Notes / Observations:
Cobbles, gravel, sand mixture within a couple feet of OHW and below. From 3 feet above OHW to top of bank, soil appears to be sand, silt, clay mixture. Unable to get close to transect to assess percentages for soil mixtures. A 6-inch steel conduit immediately adjacent to transect (stormwater outfall).

Photos:



















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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	058
Use of river bank segment:	Between Port Berth 308 and the Freightliner Wind Tunnel
Bank Angle:	25 degrees until bulkhead
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	11 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	35 %	Vegetation from 3 feet to 10 feet above OHW	Vegetation thins out from 10 feet to 15 feet above OHW / bottom of timber bulkhead

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Retaining Walls - 15 feet	40 %	Stable	Timber retaining wall from top of slope to 15 feet below top of slope	Bracing along top of retaining wall is broken.

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	20 %	10 %	10 %	
Trees	2 %	10 %	10 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber bulkhead with timber piles in fair condition. Bracing at top of bulkhead is broken.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Location ID	Description of Point:	Photos

Additional Notes / Observations:
Assume soil conditions similar to the previous transect. Unable to get to the shoreline to assess soil. Chain link fence along top of slope.

Photos:

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Physical Shoreline Inspection Form
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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	059
Use of river bank segment:	Freightliner Wind Tunnel area
Bank Angle:	15 degrees until bulkhead
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	11 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	75 %	Vegetation from 3 feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Retaining Walls - 15 feet high	50 %	Stable	Timber bulkhead with timber piles from top of slope to 15 feet below the top of slope above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees	5 %	30 %	30 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	10%	25%	0%	45%	10%	Latitude 45.5618409,Longitude -122.7089982

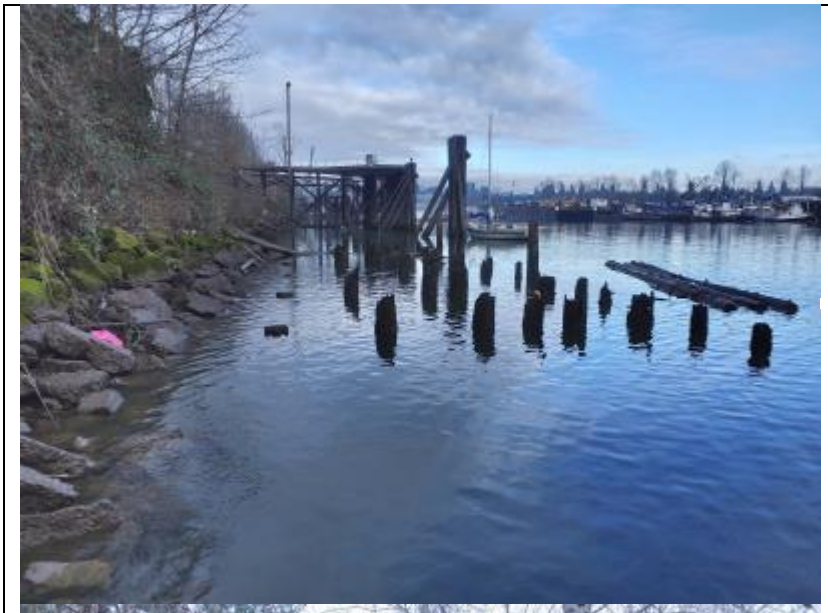
Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber bulkhead with timber piles
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

Cut-off timber piles present below OHW on either side of the transect.

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
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Physical Shoreline Inspection Form
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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	060
Use of river bank segment:	Freightliner Wind Tunnel area
Bank Angle:	10 degrees until timber bulkhead
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	11 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	70 %	Vegetation from 4 feet above OHW to 3 feet below top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - 10" Max, 4" d50	20 %	Stable	From toe of slope to 5 feet above OHW.	
Retaining Walls - 15 feet high	50 %	Stable	Timber bulkhead with timber piles from top of slope to 15 feet below top of slope above OHW.	
Riprap - 3' Max, 2' d50	20 %	Stable	Riprap placed at toe of timber retaining wall. Riprap is difficult to see due to dense vegetation. Riprap from 5 feet to 9 feet above OHW.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	50 %	35 %	35 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	10%	30%	5%	50%	5%	Latitude 45.5613872,Longitude -122.7086543

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Timber bulkhead with timber pile. Appears to be in good condition.

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Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Many old pieces of timber piles on the shore in this location. Timber piles from possible former dock observed in subgrade and near the shore. OHW to toe of slope is accessible. Chain link fence above bulkhead at the top of the bank.

Photos:









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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	061
Use of river bank segment:	Freightliner Wind Tunnel area
Bank Angle:	20 degrees to Bulkhead
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	11 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	%		

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - 18" Max, 5" d50	80 %	Stable	Cobbles and boulders from toe of slope to 12 feet above OHW	Some exposed soil present at about 6 feet above OHW

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
	%	%	%	No vegetation

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	30%	30%	10%	30%	0%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Concrete bulkhead beginning at 12 feet above OHW. Steel pilesdrilled for bulkhead. Bulkhead is 12 feet high and is in good condition. Bulkhead appears to extend to approximately the top of the slope.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Freightliner wind tunnel is above this transect. An I beam is 15 feet above OHW. The deck of the wind tunnel is 2 feet above the I beam. The deck is steel. The pile supports are steel.

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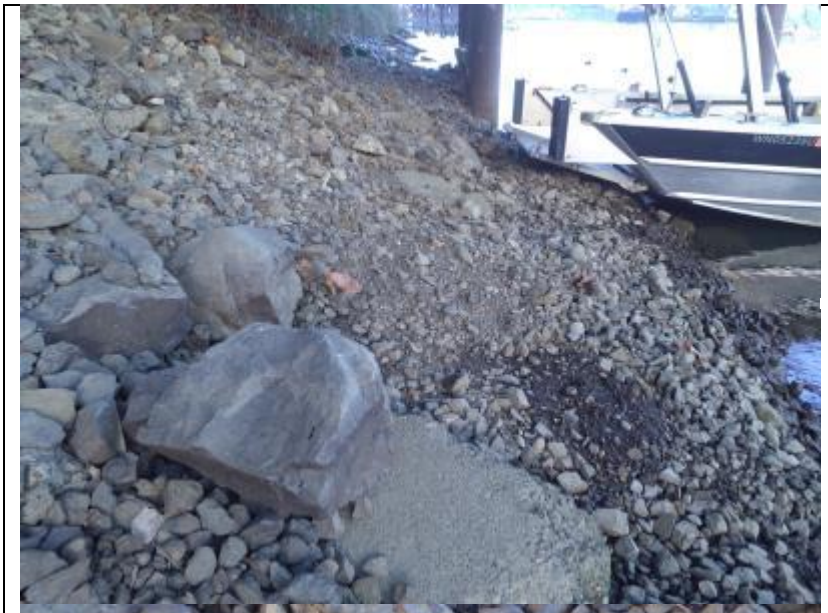
Photos:





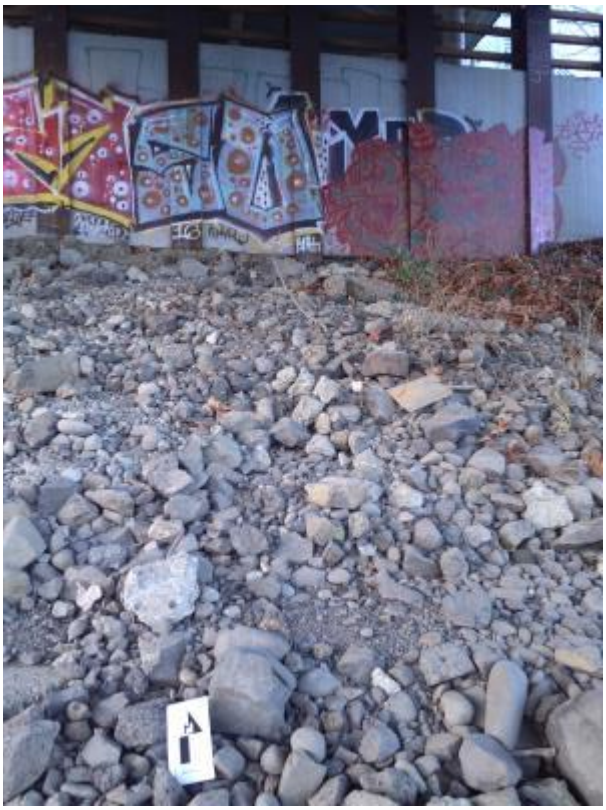












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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	062
Use of river bank segment:	Freightliner Wind Tunnel area
Bank Angle:	45 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	95 %	From OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees	5 %	25 %	25 %	
Blackberries	85 %	75 %	75 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	30%	%	10%	60%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

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No vegetation within three feet of OHW. However, tree roots are holding soil in place. Armoring and tree roots are moss-covered and are stable.

Photos:	
	

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	063
Use of river bank segment:	Anchor Park LLC area
Bank Angle:	45 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	85 %	Vegetation from OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Concrete - Variable. 5' x 3' x 6"-thick pieces on average.	10 %	Stable	Concrete slab pieces from toe of slope to two feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrubs/ ivy	60 %	90 %	90 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	40%	%	20%	40%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Concrete in good condition
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Unable to walk the transect. City outfall S2 near transect.

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Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	064
Use of river bank segment:	Anchor Park LLC adjacent to top of bank
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	40 %	Vegetation patchy from 6 to 12 above OHW. Cover from 12 feet above OHW to top of slope.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	40 %	15 %	15 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	98%	%	%	2%	

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Yes. Erosion from 6 feet to 12 feet above OHW. The soil is beginning to slough off and a scarp is beginning to form.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
A parking lot is at the top of the slope.

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	065
Use of river bank segment:	City property above OHW
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	55 %	Vegetation from top of scarp (10 feet above OHW) to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	50 %	20 %	20 %	
Shrubs	5 %	5 %	5 %	«vege5»

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	98%	%	%	2%	

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	One foot scarp forming at about 9 feet above OHW
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

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Photos:


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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	066
Use of river bank segment:	City property above OHW
Bank Angle:	15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	40 %	Vegetation from 8 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	40 %	15 %	15 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	98%	%	%	2%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

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Photos:



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/15/2022

Reviewed by: _____ Date: _____

River Mile Segment:	067
Use of river bank segment:	City property above OHW
Bank Angle:	20 degree
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	20 %	Vegetation from 8 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	20 %	15 %	15 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	98%	%	%	2%	

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Yes. Scarp is forming from 6 feet to 9 feet above OHW. Exposed soil with some evidence of erosion present in this area.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

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Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	068
Use of river bank segment:	City property above OHW
Bank Angle:	20 degrees. 3 foot scarp. 20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	30 %	Vegetation from top of scarp (6 feet above OHW) to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	20 %	15 %	15 %	
Shrubs	5 %	10 %	10 %	«vege5»

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	98%	%	%	2%	

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Yes. 2 foot scarp from 3 feet to 6 feet above OHW.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

No protection or armoring along sandy beach. Roots in scarp are about nine inches deep.

Photos:

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Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	069
Use of river bank segment:	City property above OHW. Adjacent to public boat ramp.
Bank Angle:	35 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	30 %	From 8 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Riprap - 2.5' Max.1.5' D50	60 %	Stable	From toe of bank to 8 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	20 %	15 %	15 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	65%	%	5%	30%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap is in good condition
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

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Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	070
Use of river bank segment:	City property above OHW. Adjacent to public boat ramp and City outfall M-3
Bank Angle:	10 degrees. 25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	30 %	Vegetation from 8 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Gravel - 3" max. 1" d50	25 %	Stable	MLW to OHW	
Riprap - 3' max. 1.5' d50	10 %	Stable	3 feet to 7 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees	5 %	50 %	50 %	
Shrubs	25 %	20 %	20 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	35%	%	50%	15%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
30% of slope is not protected (most of that is within 5 feet of OHW).

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	071
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	20 %	From 10 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Riprap - 3' Max.	10 %	Stable	From OHW to eight feet above OHW	
Gravel - 2" Max.	10 %	Stable	From OHW to eight feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees	5 %	15 %	15 %	From 10 feet above OHW to top of bank
Blackberries	15 %	20 %	20 %	From 12 feet above OHW to top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	5%	10%	0%	20%	65%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Soil matrix observed around OHW. Outfalls on either sides of the transect. Soil to 12 feet above OHW is exposed, except for some riprap protection. Unable to access shoreline.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	072
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	10 degrees. 35 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 ft NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	30 %	Vegetation on steep slope from 4 feet abovr OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	20 %	25 %	25 %	From 4 feet above OHW to top of bank
Trees	10 %	25 %	25 %	From 4 feet above OHW to top of bank
Willows	1 %	1 %	1 %	Willows growing from OHW to four feet above OHW. Coverage is thin

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos

Additional Notes / Observations:
Similar soil matrix to previous transect. Outfall in transect is causing a low point in the bank at four feet above OHW. Sheen present at surface near OHW.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	073
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	50 %	From 10 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	40 %	45 %	45 %	From 10 feet above OHW to top of bank
Trees	10 %	25 %	25 %	From 12 feet above OHW to top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Similar soil matrix as previous transect. Sheen present near OHW. Chain link fence at top of the bank. Remnants of burned vessel on the beach.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	074
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	50 %	From 5 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees	10 %	25 %	25 %	From eight feet above OHW to top of slope
Blackberries	40 %	45 %	45 %	From six feet above OHW to top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Similar soil matrix to previous transect. No access. Unable to walk the transect. Exposed soil below six feet above OHW. Sheen still present on soil around OHW.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	075
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	60 %	From 8 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	45 %	50 %	50 %	From eight feet about OHW to top of bank
Trees	10 %	25 %	25 %	From ten feet above OHW to top of bank
Shrubs	5 %	10 %	10 %	Mixed in with blackberries

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
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Additional Notes / Observations:
Similar soil to transect 76. No groundwater seepage.

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	076
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	25 degrees.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	From six feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	40 %	45 %	45 %	From six feet above OHW to top of bank
Trees	10 %	25 %	25 %	From 10 feet to 20 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	75%	0%	0%	25%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
No access. Unable to walk on bank. No groundwater seepage. Sheen present on the shoreline around OHW. Unsure about cause and type of sheen. Increased sand content with bank elevation increase.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	077
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	20 degrees. Bench. 20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 ft NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	80 %	From four feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	40 %	45 %	45 %	From four feet about OHW to top of bank
Trees	10 %	20 %	20 %	From 10 feet above OHW to top of bank
Shrubs	20 %	25 %	25 %	From four feet above OHW to top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Groundwater seepage still noticeable. Soil matrix similar to transect 80. Twenty foot bench between slopes. Unable to access shoreline - no authorized access.

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	078
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	10 degrees. 25 degrees.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	From four feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees	10 %	20 %	20 %	Trees from six feet above OHW to top of bank
Shrubs	45 %	50 %	50 %	Shrubs from four feet above OHW to top of bank
Grass	1 %	1 %	1 %	From three to four feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos

Additional Notes / Observations:
Similar soil matrix to transect 80. Material has redish tint to it. Groundwater seepage at 2 feet above OHW. Organic sheen from seepage. Seepage is not consistent along shoreline.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	079
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW.
Bank Angle:	10 degrees. 45 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	From 3 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	60 %	65 %	65 %	From three feet above OHW to top of bank
Trees	5 %	10 %	10 %	Trees mixed in with blackberries.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Slight erosion along Beach.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Same soil matrix to transect 80. Groundwater seepage present at 2 feet above OHW. Organic sheen present in seepage.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	080
Use of river bank segment:	SIDC below OHW. North Basin Watumull LLC above OHW. Adjacent pier.
Bank Angle:	15 degrees. 30 degrees.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9.2 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	From 3 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	1 %	1 %	1 %	From three to four feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	20%	0%	0%	80%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	One foot of erosion along shallow slope
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Break in slope at 4 feet above OHW. Slope exposed up until slope elevation changes. Soil matrix assessed near OHW. Groundwater seepage below 3 feet above OHW. Sheen present in seepage. Organic sheen.

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Photos:

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Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	081
Use of river bank segment:	SIDC. Adjacent to pier. Launch road in transect not in use.
Bank Angle:	40 degrees, 15 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9.7 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	85 %	Blackberries and other rooted vegetation from water line to top of bank, only missing from asphalt launchway. Small to medium size trees at top (roughly 2" diameter).	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Gravel - 5"	10 %	Unstable	Few gravels throughout silty sand soils, gravel ~5"	Some locations indicate soil movement with small (less than 2') sections of soils exposed, but most of bank appears stable
Road - 15-ft-wide access road breaking the slope	15 %	Stable	Road halfway up the bank that separates steeper lower portion from more gradual upper bank	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries, small trees	100 %	10 %	100 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	40%	0%	10%	50%	Latitude 45.5643965,Longitude -122.70906566666666

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	One-foot-long scarps on lower bank.
Evidence of previous river bank SCMs. Describe current	

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integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos
Latitude 45.564399,Longitude -122.70906633333334		  

Additional Notes / Observations:
Riverbank slope is divided by an access road, with a steeper lower bank and a more gradual slope above the road.

Photos:

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Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	082
Use of river bank segment:	SIDC. Adjacent to pier. Access road in transect does not appear to be in use.
Bank Angle:	30
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9.7 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	80 %	Mostly vegetated from OHW to top of bank. Sections not covered by vegetation are beneath outfall and along asphalt launchway	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Gravel; 5"	30 %	Stable	Gravels in soil, concentrated under outfall and scattered throughout. Asphalt road armoring for roughly 15'	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries and ivy interspersed with cottonwoods 1-ft to 3-ft diameter	100 %	33 %	100 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	40%	0%	15%	45%	Latitude 45.564583,Longitude -122.70948966666667

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Outfall flow path has some evidence of erosion, otherwise the bank appears stable.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos
Latitude 45.564583,Longitude -122.70948983333334		  

Additional Notes / Observations:

Photos:

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Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	083
Use of river bank segment:	SIDC. Adjacent to pier. Paved lot at top of the bank.
Bank Angle:	30
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9.7 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	100 %	Vegetated fully from waterline to top of bank. Mix of blackberries, ivy, and small to medium trees.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
;	0 %	Stable	No visible armoring through fully vegetated slope.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries, smaller trees at waterline (2-in-diameter) to larger trees at top of bank (2-4-in-diameter)	100 %	33 %	100 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	30%	0%	20%	50%	Latitude 45.5649155,Longitude -122.70987466666666

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	No visible indicators of erosion since the bank is fully covered by vegetation.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos
Latitude 45.5649115,Longitude -122.7098835		

Additional Notes / Observations:

Photos:

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Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	084
Use of river bank segment:	SIDC
Bank Angle:	30
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9.7 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	100 %	From OHW to top of bank, fully vegetated.	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Gravel	20 %	Stable	Scattered throughout soil, not easily visible from topside	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries and ivy throughout, medium to larger trees- cottonwoods (1- to-3-ft in diameter)	100 %	33 %	100 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	35%	0%	15%	50%	Latitude 45.565015333333335, Longitude -122.7101285

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Nearby outfall discharge has created small flow path, but it does not show signs of erosion. Low to moderate erodability.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Latitude 45.565015333333335,Longitude -122.71012883333333		

Additional Notes / Observations:

Photos:

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Prepared by: Ana Tijerina Esquino Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	085
Use of river bank segment:	SIDC
Bank Angle:	35
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9.7 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	95 %	From waterline to top of bank, interspersed with pockets with woody debris	
Woody Debris	5 %		

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
	0 %	Stable	No visible gravel/ riprap	Fines visible for roughly 5 percent of bank, under woody debris and near waterline

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries, medium to large trees (cottonwoods 3-inch to 2-ft diameter)	95 %	33 %	95 %	Transect has fallen trees and trees that look dead/ dying

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	50%	0%	0%	50%	Latitude 45.565153,Longitude -122.710381

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	No visible indicators of erosion
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos
Latitude 45.56515316666667,Longitude -122.71038016666667		 

Additional Notes / Observations:

Photos:

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Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	086
Use of river bank segment:	SIDC
Bank Angle:	30
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9.6 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	90 %	From waterline to top of bank. Some sections with woody debris or exposed fines.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap	5 %	Stable		Small sections of old riprap near waterline, woody debris. In total, little armoring.

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Saplings to large trees, blackberries and ivy	95 %	40 %	100 %	Many saplings along waterline, older trees at mid bank from 2-in to 4-ft diameter

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	5%	40%	%	5%	50%	Latitude 45.56529466666667,Longitude -122.71070966666667

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Possible flow path above outfall to mid bank, might be due to a mooring line
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Latitude 45.56529466666667,Longitude -122.71070933333333		   

Additional Notes / Observations:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Photos:



Physical Shoreline Inspection Form
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This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	087
Use of river bank segment:	ATC Leasing
Bank Angle:	25
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9.6 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	60 %	Vegetation cover starts above OHW, roughly 10-ft from waterline	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

;	0 %	Unstable	Some cobbles to the left of transect but none visible on beach present at toe of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Ivy, blackberries, small trees at mid bank to larger trees near top of bank	40 %	20 %	40 %	Little to no vegetation before OHW line, small shoots of aquatic plants on sandy bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	5%	85%	0%	0%	10%	Latitude 45.565434,Longitude -122.710986

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Small sandy beach at toe of slope. Not armored nor protected.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Latitude 45.565433666666664,Longitude -122.71098583333334		 

Additional Notes / Observations:

Photos:

Physical Shoreline Inspection Form
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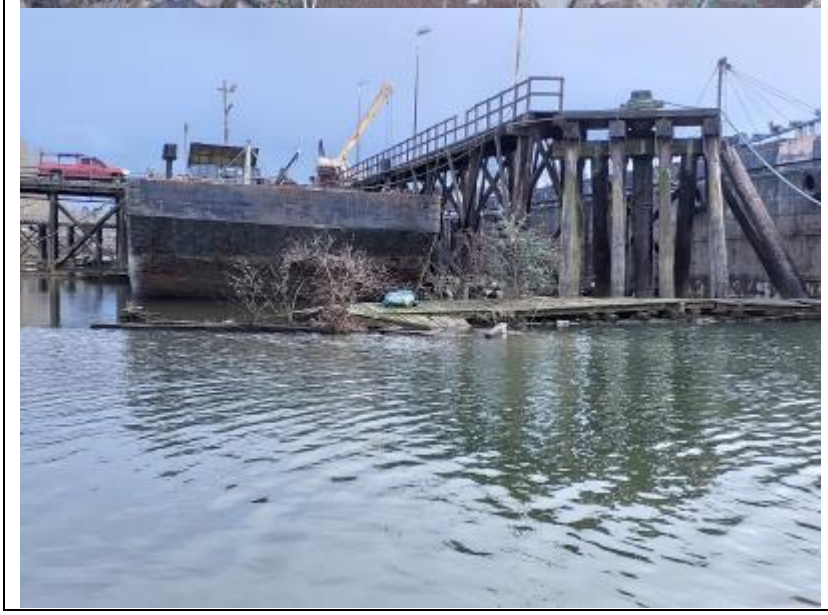
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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	088
Use of river bank segment:	ATC Leasing above OHW.
Bank Angle:	15 degrees, 40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	75 %	3 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Ivy and shrubs	65 %	75 %	75 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	98%	%	%	2%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Sandy beach has very little protection or armoring near or just above OHW.

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Photos:



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	089
Use of river bank segment:	ATC Leasing above OHW.
Bank Angle:	10 degrees. 30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	2 %	From OHW to 5 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Trees	10 %	25 %	25 %	
Bushes and shrubs	85 %	70 %	70 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	95%	%	%	5%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

No scarp present. Sandy material near and just above OHW where minimal vegetation is present.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	090
Use of river bank segment:	None. ATC Leasing above OHW.
Bank Angle:	10 degree angle for lower bank/beach, 2-3 ft scarp with 50-ft flat area, and then 35 degree angle for upper bank.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	95 %	Vegetation from top of scarp (4 feet above OHW) to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Cottonwoods	1 %	10 %	10 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	65%	%	%	35%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Yes. 2-3 foot scarp from 1-ft to 4-ft above OHW.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Sandy silt material near OHW (as noted in uscm section).

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Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	091
Use of river bank segment:	None. ATC Leasing above OHW.
Bank Angle:	10 degree lower bank angle, 2 foot scarp with flat surface for 50 feet, and then 35 degree upper bank angle.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	95 %	From top of scarp (3 feet above OHW) to top of bank	
Woody Debris	1 %	Along slope around OHW	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Ivy	90 %	75 %	75 %	
Trees	5 %	25 %	25 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	90%	%	%	10%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Yes. Scarp from 1-3 feet above OHW.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos

Additional Notes / Observations:
30 feet of beach that leads to a scarp. Primarily sandy material is on the beach.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	092
Use of river bank segment:	None. ATC Leasing above OHW.
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	5 %	Woody debris from 3 feet above OHW to 10 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Cottonwoods	5 %	25 %	25 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	80%	%	%	20%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Seventy-five percent of surface within 5 feet of OHW is exposed. Soil at OHW is 80% silt/clay and 20% sand.

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Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	093
Use of river bank segment:	None. Paved area at top of bank.
Bank Angle:	15 degrees, flat scarp/terrace (25 feet), 40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	3r
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	5 %	Woody debris two feet above OHW to top of steep bank.	
Rooted Vegetation	50 %	Steep slope is 95% covered. Bench is 65%. Shallow slope area is 15%.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Gravel - 6" Max. 2" D50.	10 %	Stable	MLW to 2 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Cottonwoods	5 %	50 %	50 %	
Shrubs (shallow slope)	15 %	5 %	5 %	
Shrubs (steep slope)	90 %	95 %	95 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Presence of flow path channel from outfall above OHW in steeper portion of the bank.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☑ Yes ☐ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
No access granted. Unable to walk transect. Soil is gravel/sand mixture. Flat bench is present between the two slopes. Forty percent of lower bank is exposed without armoring or vegetation.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	094
Use of river bank segment:	None. Paved lot above the top of the bank.
Bank Angle:	15 degrees for lower bank, break in slope, then 35 degrees for upper bank
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	45 %	Grass from top of slope to bottom of steep slope (8 feet above OHW). Trees at base of break in slope. Shrubs along shallow slope from OHW to break in slope.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Gravel - 3" Max. 1" D50.	55 %	Stable	Gravel from OHW to five feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Cottonwoods	5 %	50 %	50 %	
Grass	20 %	10 %	10 %	
Shrubs	5 %	10 %	10 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Soil appears to be gravel/sand mixture. No permitted access. Unable to walk transect. Metal conduit stockpiled at top of slope. Outfall at bottom of steep slope (same one as that described for transect 93).

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	095
Use of river bank segment:	Port Dredge Base. Gangway to moored vessel.
Bank Angle:	15 degree lower bank angle. Break in slope. 35 degrees upper bank angle.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	Woody debris from OHW to five feet above OHW	
Rooted Vegetation	25 %	Trees five feet above OHW at base of break in slope. Grass on steep bank.	«surface4»

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rock - 12" Max. 3" D50.	75 %	Stable	Quarry spalls and gravel from OHW to break in slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Cottonwoods	5 %	50 %	50 %	
Grass	20 %	10 %	10 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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SIB Project Area, Portland Harbor Superfund Site

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Could not walk transect. Soil appears to be gravel / sand mixture. Metal pipe stockpiled across transect. Break in slope at about 8 feet above OHW.

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	096
Use of river bank segment:	Parking lot above top of slope at Port Dredge Base, adjacent to gravel road to riverbank.
Bank Angle:	15
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	96 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	40 %	Vegetation fully covers midbank, sparse at toe and near top of bank	

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Gravel	20%			

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Scotch broom, blackberries, grasses, Oregon grape	40 %	5 %	75%	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	5%	50%	5%	15%	25%	Latitude 45.56684683333334,Longitude -122.71386916666667

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Latitude 45.566847,Longitude -122.713869		  

Additional Notes / Observations:
Transect 96 is similar to transect 97.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	097
Use of river bank segment:	Parking lot above top of bank at Port Dredge Base.
Bank Angle:	20
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	96 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	60 %	Sparse vegetation at sand bank, more vegetated above midbank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap; 3"-6"	15%	Unstable	Sparse armoring from OHW to mid bank. Mid bank is fully armored.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Scotch broom, blackberries, grasses, Oregon grape	40 %	5 %	75 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	5%	50%	5%	15%	25%	Latitude 45.5669415,Longitude -122.7141665

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Latitude 45.56694133333333,Longitude -122.7141665		

Additional Notes / Observations:

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	098
Use of river bank segment:	Adjacent to trestle. Parking lot above top of bank at Port Dredge Base.
Bank Angle:	30
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	96 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	60 %	Top half of slope is vegetated. Vegetation is partially to fully established.	

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap	60 %	Stable	Armoring from toe of slope to mid bank, old gravel/ asphalt road at mid bank. More vegetation on top third of bank.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Mix of scotch brooms, oregon grape, small trees. Madron and cottonwoods near top of bank.	40 %	%	40 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	45%	0%	40%	15%	Latitude 45.5671615,Longitude -122.714498

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Recent stormwater improvement project's plantings are partially established on upper bank. Older vegetation is well established.
Presence of Aquatic Vegetation?	☑ Yes ☐ No

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos
Latitude 45.5671615,Longitude -122.71449783333334		 

Additional Notes / Observations:
n/a

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 5/31/2022

Reviewed by: _____ Date: _____

River Mile Segment:	099
Use of river bank segment:	Port Dredge Base. Adjacent to pier. Parking lot above top of slope.
Bank Angle:	30
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	96 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	40 %	top third of bank is covered by vegetation. Bank below this line is armored.	

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 4-5" Max, well graded with gravels	60 %	Stable	Gravel and riprap from water line to mid bank	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Scattered scotch broom from waterline to mid bank, and more vegetation from mid bank to top of bank	40 %	5 %	40 %	Vegetation sparse until midbank, more vegetated on top half of the slope

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	45%	0%	40%	15%	Latitude 45.56724583333333,Longitude -122.71482866666666

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Recent stormwater project along upper bank included plantings and hydroseeding that are only partially established.
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Location ID	Description of Point:	Photos
Latitude 45.56724583333333,Longitude -122.7148285		  

Additional Notes / Observations:

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	100
Use of river bank segment:	Port Dredge Base above the top of the bank and over water.
Bank Angle:	20 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	20 %	Vegetation at OHW and vegetation within 5 feet below bench.	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Rock - 10" Max. 4" D50	25 %	Sloughing Into River	Cobble, gravel, and quarry spalls within 5 feet of OHW and then scattered throughout slope. Portion of slope below 1' scarp appears to be sliding. Broken asphalt present in the stone.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	20 %	10 %	10 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☐ Single Layer of Erodible Material ☑ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Scarp forming about 5 feet above OHW and scarp forming right below bench. Each scarp is about 1 foot high. Top layer of scarp is about 3 inches. Bottom layer is about 9 inches. Irrigation system on the bank upper bank.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Additional Notes / Observations:
40% of slope is bare. Percents based on OHW to bench. Soil appears to be sandy silt.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site






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Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site



Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	101
Use of river bank segment:	Port Dredge Base above top of bank and over water
Bank Angle:	20 degrees (varies)
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	20 %	Vegetation from OHW to first bench	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Rock - 8" Max. 3 inch D50.	30 %	Stable	Mixture of quarry spalls and cobbles. Material is good condition.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	5 %	5 %	5 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Scarp beginning to form below first bench.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
All percents are based on top of bank being the bench. Irrigation system is present on the bench. Could not see anything above the bench. Soil appears to be more mobile than earlier in the day. It appears to be a sandy gravel material.

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Photos:





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





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SIB Project Area, Portland Harbor Superfund Site





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Prepared by: Eric Slaugh , Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	102
Use of river bank segment:	Port Dredge Base above top of bank and over water.
Bank Angle:	20 degres
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	15 %	Vegetation between OHW and OLW. Vegetation within 5 feet of top of slope below lower bench. Vegetation on slope above bench.	

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rock - 8" Max. 3" D50.	10 %	Stable	Cobbles from toe of slope to 5 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	20 %	20 %	10 %	
Emergent Vegetation	5 %	5 %	5 %	«vege5»

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☐ No Layers ☑ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	Yes. 2-3 foot scarp forming below first bench
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	No
Presence of Aquatic Vegetation?	☑ Yes ☐ No

GPS Points collected within tenth of RM:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Location ID	Description of Point:	Photos

Additional Notes / Observations:
A bench has formed about 15 feet above OHW. The bench is about 30 feet wide and appears to extend to the dock to the south. Did not walk transect to see the bench. An irrigation system is present on the bench. Soil below OHW looks silty clay. Soil in scarp looks sandy silt. Soil in scarp becomes darker and more black as you go further south.

Photos:

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	103
Use of river bank segment:	Marine Salvage Consortium above top of bank
Bank Angle:	40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	Several pieces of soody vegetation across slope. Either at OHW or 5 feet above OHW	

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 2' Max, 6" D50	55 %	Stable	Armoring from toe of slope to about 10 feet above OHW	
Concrete - 2' x 100' long	1 %	Stable	Hollow concrete pile along shoreline about 10 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	20 %	20 %	20 %	
Shrubs	25 %	35 %	35 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap in okay condition. Evidence of cracking and fracturing.

Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site

Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Soil condition similar to transect 104.

Photos:

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Physical Shoreline Inspection Form
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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	104
Use of river bank segment:	Marine Salvage Consortium above bank and overwater structures. Vessels moored 50 feet offshore of toe.
Bank Angle:	35 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	Woody debris at and slightly above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 3-ft diameter max. 8-in D50	30 %	Stable	Toe of slope to 10 feet above OHW	
Concrete - 5-ft × 2-ft × 1-ft or smaller pieces of concrete mixed in with riprap	1 %	Stable	Concrete mixed in with rip rap	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Shrubs and bushes	70 %	80 %	80 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap in okay condition. Evidence of cracking and holes in riprap.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Same soil condition as transect 105.

Photos:

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This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Ana Tijerina Esquino, Mott MacDonald Date: 10/6/2022

Reviewed by: _____ Date: _____

River Mile Segment:	105
Use of river bank segment:	Marine Salvage Consortium.
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	Well vegetated from 10' above toe till top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Rip rap	%			

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Ivy, blackberries, few small trees (~3 to 6")	65 %	%	%	See adjacent

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	Latitude 45.5680705,Longitude -122.7163385

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

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Photos:



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	106
Use of river bank segment:	Marine Salvage Consortium. Barge about 20 feet from toe of slope
Bank Angle:	35 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 ft NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	75 %	Vegetation extends from top of slope to 5 feet above OHW. Alders extend from ten feet above OHW to top of slope.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 3.5' Max, 12" D50	25 %	Stable	Extends from 5 above OHW to toe of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Alders	70 %	60 %	60 %	
Grass	10 %	1 %	10 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap in good condition
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos

Additional Notes / Observations:
Alders extend from transect 106 to this transect. Soil conditions similar to transect 106.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	107
Use of river bank segment:	Marine Salvage Consortium. Barges moored 30 feet from toe of slope
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	9 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	35 %	Willows begin 3 feet above OHW and extend to top of slope.	
Rooted Vegetation	35 %	Grasses growing in between alders from 3 feet above OHW to top of slope	«surface4»

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 3.5' Max. 1.5' D50.	30 %	Stable	5 feet above OHW to toe of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Willows	35 %	40 %	20 %	
Grass	35 %	35 %	35 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap in good conditions. Willows appear to be dormant, but healthy.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos

Additional Notes / Observations:
Alders are present on the slope. Dormant but healthy. Soil is very uneven. Soil is 75% silt/clay and 25% sand.

Photos:



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	108
Use of river bank segment:	Marine Salvage Consortium. Timber pier in front of toe of slope
Bank Angle:	35 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	Approx 9.15 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	50 %	Vegetation extends from top of slope to about 8 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 3' Max. 12" D50.	50 %	Stable	Armoring on the entire slope. Riprap is most abundant from toe of slope to 8 feet above OHW.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grass	40 %	1 %	40 %	
Blackberries	10 %	5 %	5 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

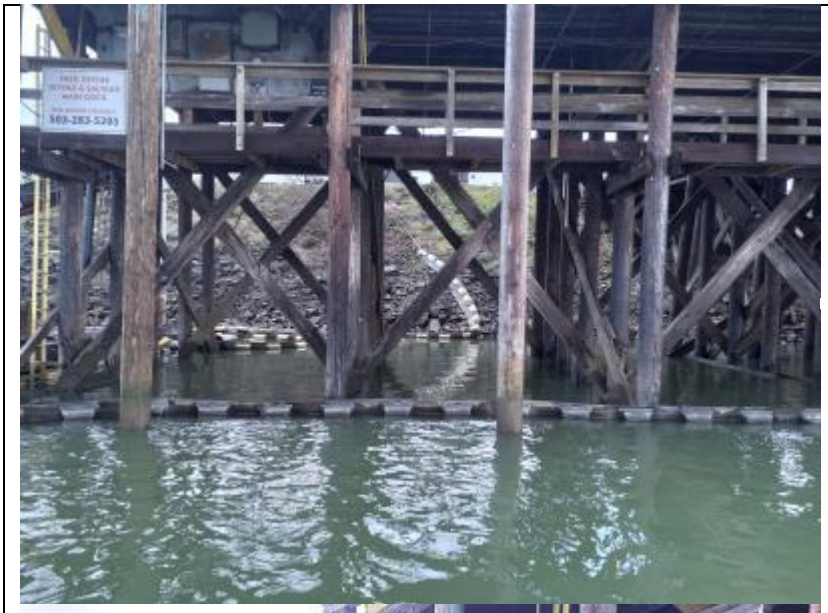
Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap in good condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Soil conditions similar to past transects on Marine Salvage Consortium property. Hard boom present at base of pier. Parking lot at top of pier.

Photos:





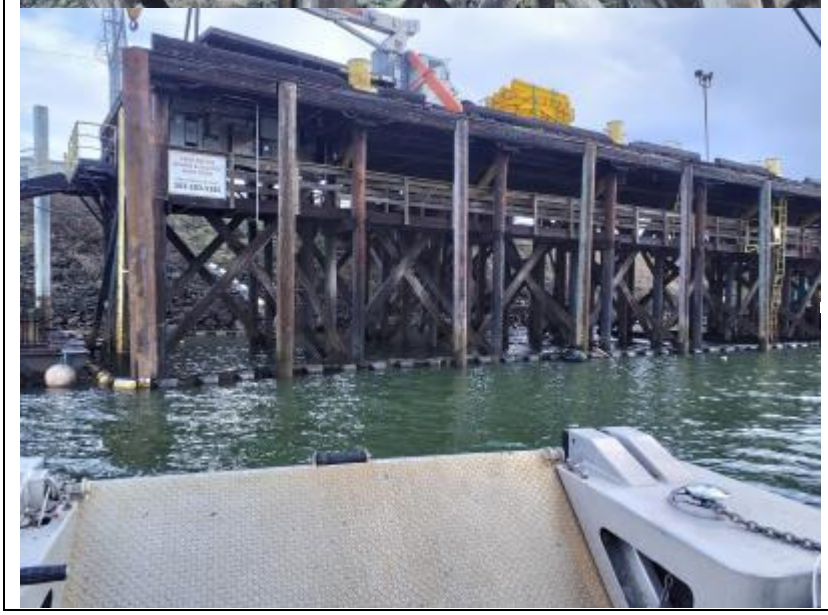



MAIN DOCK
FOR ACCESS CONTACT
503-283-5285




503-283-5285





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This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	109
Use of river bank segment:	Marine Salvage Consortium. Parking lot at top of bank.
Bank Angle:	38 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	Approx 9.25 feet NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	25 %	Vegetation from top of bank to 10 feet below top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Riprap - 2.5' Max. 10" D50.	75 %	Stable	Riprap from toe of slope to top of slope. Riprap thicker as you go down the slope.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Grasses	15 %	1 %	15 %	

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None. Jersey barriers at top of slope.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap in good condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

Soil conditions similar to transects 109 and 110.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	110
Use of river bank segment:	Marine Salvage Consortium. Parking lot at top of slope.
Bank Angle:	40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	Approximately 9.25 feet
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	30 %	Vegetation extends from top of slope to OHW. Vegetation thicker within 15 feet of top of slope.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 4' Max. 12" D50.	65 %	Stable	Riprap extends along entire slope. Riprap thins up the slope.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberry	20 %	5 %	75 %	
Grass/clover	10 %	1 %	10 %	«vege5»
Fox love	1 %	1 %	1 %	«vege5»

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	5%	0%	90%	5%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None. Jersey barriers at top of slope.
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap in good condition.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Similar soil conditions to transect 110.

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	111
Use of river bank segment:	Marine Salvage Consortium. Parking lot at top of slope
Bank Angle:	40 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	Approx 9.5 ft NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	25 %	Vegetation extends from top of slope to about 10 feet down the slope. Vegetation gets thinner as you come down from top of slope.	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 3.5' Max. 16" D50.	75 %	Stable	Armor begins 10 feet from top of slope and extends below the toe of slope. Riprap is more abundant near and below OHW.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Fox love	1 %	5 %	5 %	
Grass/clover	10 %	2 %	100 %	«vege5»

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	5%	0%	90%	5%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	Riprap appears to be in good condition. Riprap is providing good protection from erosion.
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Bank soils change about 12 below top of slope. Native soil within 12 feet of top of slope is loam with 75% silt, 10% sand, and 15% gravel.

Photos:








N











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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/14/2022

Reviewed by: _____ Date: _____

River Mile Segment:	112
Use of river bank segment:	US Navy and Marine Reserve Center. Fence at top of slope.
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	Approx 9.5 ft NAVD
Wind- and Boat-Induced Waves?	No

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	85 %	Rooted vegetation extends up from 1' above OHW to top of slope. Some woody vegetation. Majority of vegetation is shrubs (mostly Blackberries and ivy)	

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Woody Debris	2 %	Woody debris at or slightly above OHW	«surface4»

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap; 3' Max. 8" D50.	15 %	Stable	One foot above OHW to the toe of slope. Siltation present on top of riprap at toe.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberry	25 %	10 %	90 %	
Ivy	70 %	5 %	90 %	«vege5»
Woody	5 %	25 %	25 %	«vege5»

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	40%	0%	10%	50%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	No evidence of erosion. Unsure about overland flow. Access to top of slope is not available.
Evidence of previous river bank SCMs. Describe current	Riprap from one foot above OHW to toe of slope.

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integrity in providing protection against erosion.	
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	113
Use of river bank segment:	US Navy and Marine Reserve Center
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10.2 feet
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	From 3 feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Riprap - 2.5' Max.	20 %	Stable	From toe of slope to three feet above OHW	
Rock - 8" Max. Quarry spalls.	10 %	Stable	From toe of slope to three feet above OHW. Mixed in with riprap	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	40 %	45 %	45 %	From three feet above OHW to top of slope
Woody vegetation / trees	2 %	10 %	10 %	Trees between 10 and 15 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos

Additional Notes / Observations:
Assume similar soil conditions to transect 112. Unable to walk on slope.

Photos:

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SIB Project Area, Portland Harbor Superfund Site





Physical Shoreline Inspection Form
SIB Project Area, Portland Harbor Superfund Site









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SIB Project Area, Portland Harbor Superfund Site



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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	114
Use of river bank segment:	US Navy and Marine Reserve Center
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10.2 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	80 %	From three feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 2' Max.	5 %	Stable	From three feet above OHW to toe of slope	
Rock - Quarry spalls. 8" Max.	15 %	Stable	From toe of bank to three feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	75 %	80 %	80 %	From three feet above OHW to top of bank
Trees	5 %	8 %	8 %	Trees within 5 feet of top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Assume soil is similar to transect 112. Unable to walk the bank.

Photos:













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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	115
Use of river bank segment:	US Navy and Marine Reserve Center
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10.2 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	From five feet above OHW to top of slope	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - Max 2-ft diameter	15 %	Stable	From toe of slope to five feet above OHW	
Rock - Quarry spalls. 10" Max	20 %	Stable	From toe of slope to five feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	30 %	35 %	35 %	From 10 feet above OHW to top of slope
Ivy	20 %	10 %	10 %	From 5 to 10 feet above OHW
Trees	3 %	15 %	15 %	From 8 feet to 15 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Unable to walk on bank. Assume soil is similar to transect 111. Slat fence at top of bank. US Navy pier is 30 feet offshore from the transect.

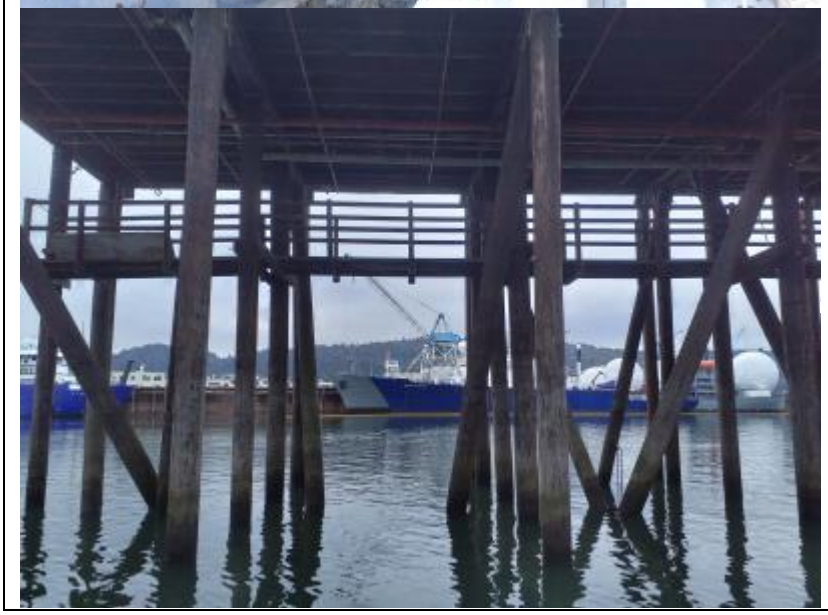
Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	116
Use of river bank segment:	US Navy and Marine Reserve Center
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10.2 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	75 %	From three feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Riprap - 20" Max.	15 %	Stable	From three feet above OHW to toe of slope	
Rock - Quarry spalls 10" Max.	10 %	Stable	From three feet above OHW to toe of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	50 %	60 %	60 %	From three feet above OHW to top of bank
Ivy	15 %	10 %	10 %	From three feet above OHW to 15 feet above OHW
Trees	5 %	15 %	15 %	From 10 to 18 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Soil similar to transect 111. Unable to walk the bank. US Navy pier is about 30 feet offshore from the bank. Slat fence at top of slope.

Photos:

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SIB Project Area, Portland Harbor Superfund Site









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This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	117
Use of river bank segment:	US Navy and Marine Reserve Center. Adjacent to US Navy pier walkway.
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10.2 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	65 %	From 4 feet above OHW to top of bank	
Woody Debris	1 %	From OHW to two feet above OHW	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 2' Max.	15 %	Stable	From toe of slope to four feet above OHW	Rock coverage in this area is thin. Forty percent of soil in this area is exposed, but not eroding.
Rock - Quarry spalls. 10" Max.	10 %	Stable	From toe of slope to four feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	60 %	65 %	65 %	
Trees	2 %	10 %	10 %	Tree on either side of trsnsect two feet above OHW. Trees are holding soil in place.

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	40%	0%	60%	10%	Latitude 45.5683218,Longitude -122.7213054

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None

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Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
No access - unable to walk the bank. US Navy pier is about 30 feet offshore. Slat fence at the top of the bank. First soil observation at 3 feet above OHW. Second is at OHW. Second is 60% silt, 30% sand, and 10% gravel. Fines increase down the slope.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	118
Use of river bank segment:	US Navy and Marine Reserve Center
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10.2 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	60 %	From 4 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 2.5' Max.	25 %	Stable	From four ft above OHW to toe of the slope	
Rock - Quarry spalls. 6" minus.	5 %	Stable	From four ft above OHW to toe of the slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Tree	1 %	5 %	5 %	Tree at top of the bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	10%	0%	90%	0%	Latitude 45.5705111,Longitude -122.7205241

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Some exposed soil from OHW to four feet above OHW. US Navy pier adjacent to the transect. No access. Unable to walk bank. Soil seems fairly consistent near OHW.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	119
Use of river bank segment:	US Navy and Marine Reserve Center
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10.2 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	80 %	From 3 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

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Riprap - 18" Max	15 %	Stable	From three feet above OHW to toe of slope	
Rock - Quarry spalls. 8" Max.	10 %	Stable	From four feet above OHW to toe of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	80 %	85 %	85 %	From two feet above OHW to top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	5%	0%	95%	0%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
No access. Unable to walk shoreline. Rock and vegetation overlap from two to four feet above OHW. Building near top of the bank.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	120
Use of river bank segment:	US Navy and Marine Reserve Center
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10.2 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	1 %	From two to six feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 2' Max	20 %	Stable	From six feet above OHW to toe of slope	
Rock - Quarry spalls. 6" Max.	15 %	Stable	From six feet above OHW to toe of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	30 %	35 %	35 %	From 12 feet above OHW to top of slope
Ivy	20 %	15 %	15 %	From six feet to 12 feet above OHW
Trees	2 %	15 %	15 %	Sporadic trees from six feet to 25 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	30%	0%	60%	10%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

Physical Shoreline Inspection Form
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GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Soil observed near OHW. Slat fence and a building at the top of the slope.

Photos:

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Physical Shoreline Inspection Form
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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	USCG MSU adjacent to top of bank and over water
Use of river bank segment:	None
Bank Angle:	10 degrees. 25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	35 %	From top of slope to 3 feet above OHW	
Woody Debris	10 %	From 2 feet to 5 feet about OHW	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 2' Max	10 %	Stable	From 5 feet to 10 feet above OHW. At bottom of break in slope.	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	20 %	25 %	25 %	
Grass	10 %	8 %	8 %	From 3 feet below top of bank to top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	10%	0%	0%	90%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos

Additional Notes / Observations:
Beach is closer to the natural formation. Sand is top layer and clay layer is underneath. Beach goes up to 4 feet above OHW until break in slope. Beach is 50% exposed. Protected by woody debris. Soil observation made at OHW. Sand appears to get thicker up the slope.

Photos:

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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	122
Use of river bank segment:	USCG MSU adjacent to top of bank and over water
Bank Angle:	10 degrees. 25 degrees.
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	60 %	From 4 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 2' Max	5 %	Stable	From 4 to 8 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	65 %	70 %	70 %	From 4 feet above OHW to top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	85%	0%	0%	15%	Latitude 45.5685724,Longitude -122.7221437

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Break in slope at about 4 feet above OHW. Sand matrix above native clay matrix. Building at top of bank. Beach is mostly exposed.

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Photos:







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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	123
Use of river bank segment:	USCG MSU walkway and dock
Bank Angle:	
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	35 %	From 15 feet above OHW to top of bank	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 2' Max	60 %	Stable	From toe of slope to 10 feet above OHW	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	25 %	12 %	12 %	From 10 feet above OHW to 20 feet above OHW
Grass	5 %	3 %	3 %	From 20 feet above OHW to top of bank
Trees	2 %	8 %	8 %	Sporadic trees from 3 feet to 20 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
%	%	%	%	%	%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:

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Location ID	Description of Point:	Photos

Additional Notes / Observations:
Unable to walk bank. Hard to determine soil type, but appears to be high in gravel and cobbles. Parking lot at top of bank. Guard rail three feet below top of bank.

Photos:





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Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	124
Use of river bank segment:	USCG MSU adjacent to top of bank and transect near pier and dock
Bank Angle:	30 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Rooted Vegetation	15 %	From 4 feet to 12 feet above OHW	

Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations

Riprap - 2.5' Max	70 %	Stable	From toe of slope to top of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	10 %	12 %	12 %	From 5 to 12 feet above OHW
Trees	5 %	15 %	15 %	From 5 feet to 10 feet above OHW

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	10%	0%	30%	60%	

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None
Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

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Additional Notes / Observations:
Soil is exposed between riprap throughout the slope. The USCG MSU pier is present above this transect. Timber piles are driven into the bank from ten feet above OHW to top of bank. Soil assessment made near OHW.

Photos:

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This field form was developed from the *Guidance for River Bank Characterizations and Evaluations at the Portland Harbor Superfund Site* (USEPA, 2019) (Guidance). An assessment using this form must be completed for each geomorphic area or segment of the river bank with different physical and material characteristics because of the unique potential for erodibility each segment possesses. For further detail regarding Physical Shoreline Inspection requirements, please refer to Section 2.3 of the Guidance. As needed, information to complete this form may need to be obtained from topographic or bathymetric surveys or from available online reference for Portland Harbor, such as USGS gauging stations.

Prepared by: Eric Slaugh, Mott MacDonald Date: 2/17/2022

Reviewed by: _____ Date: _____

River Mile Segment:	125
Use of river bank segment:	Adjacent to USCG MSU pier
Bank Angle:	25 degrees
Alignment of the River:	
Width and Depth of the River:	
Stream Velocity and Stage:	10 feet NAVD
Wind- and Boat-Induced Waves?	Yes

River Bank Surface Protection:

Type of Surface Protection (woody debris, rooted vegetation, embedded boulders, revetment, bedrock, etc.):	% of Bank Covered by Surface Protection	Location of protection relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Woody Debris	5 %	From 2 feet to 4 feet above OHW	
Rooted Vegetation	65 %	From 3 feet above OHW to top of bank	

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Type and Size of Armoring (riprap, rock, gravel, concrete, gabions, retaining walls, etc.):	% of Bank Covered by Armoring	Condition of armoring (stable, unstable, sloughing into river, etc.)	Location of armoring relative to the toe of the slop, top of the bank, and OHW elevation	Additional Notes / Observations
Riprap - 18" Max.	20 %	Stable	From 8 feet above OHW to toe of slope	
Rock; Quarry spalls. 8" Max.	20 %	Stable	From 8 feet above OHW to toe of slope	

River Bank Vegetation Type:	% of Bank Covered by Vegetation	Root Depth (depth relative to bank height in %):	Root Density (% of bank surface covered by roots):	Additional Notes / Observations
Blackberries	60 %	65 %	65 %	From 4 feet above OHW to top of bank
Trees	5 %	15 %	15 %	Trees within 3 feet of top of bank

River Bank Soil Types classified using the Unified Soil Classification System determined by ASTM D2488:						
Bedrock	Cobble	Sand	Boulder	Gravel	Silt or Clay	Location
0%	0%	85%	0%	5%	10%	Latitude 45.5713695,Longitude -122.7223403

Bank Stratification:	☑ No Layers ☐ Single Layer of Erodible Material ☐ Multiple Layers of Erodible Material
Visible indicators of active river bank erosion due to overland flow, wave and/or vessel wake, or other factors? Describe and document via photograph and GPS coordinates when possible.	None
Evidence of previous river bank SCMs. Describe current integrity in providing protection against erosion.	None

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Presence of Aquatic Vegetation?	☐ Yes ☑ No

GPS Points collected within tenth of RM:		
Location ID	Description of Point:	Photos

Additional Notes / Observations:
Soil matrix near OHW. USCG MSU pier adjacent to transect. Vegetation and rock overlap from 4 to 8 feet above OHW

Photos:

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Physical Shoreline Inspection Form
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ATTACHMENT A.2
BANK EROSION HAZARD INDEX FORMS

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Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 000**	Observers:	**ORBIS, BH2O, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

							BEHI Score (Fig. 3-7)
Study Bank Height (C)							
Study Bank Height (ft) =	**23.46** (A)	**Bankfull Height** (ft) =	**9.94** (B)	(A) / (B) =	**2.36** (C)		**8.4**
Root Depth to Study Bank Height (E)							
Root Depth (ft) =	**0.00** (D)	**Study Bank Height** (ft) =	**23.46** (A)	(D) / (A) =	**0.00** (E)		**9.8**
Weighted Root Density (G)							
		Root Density as **%** =	**0.00** (F)	(F) x (E) =	**0** (G)		**9.8**
Bank Angle (H)							
				Bank Angle as *Degrees* =	**38** (H)		**2.8**
Surface Protection (I)							
				Surface Protection as **%** =	**95%** (I)		**0.5**

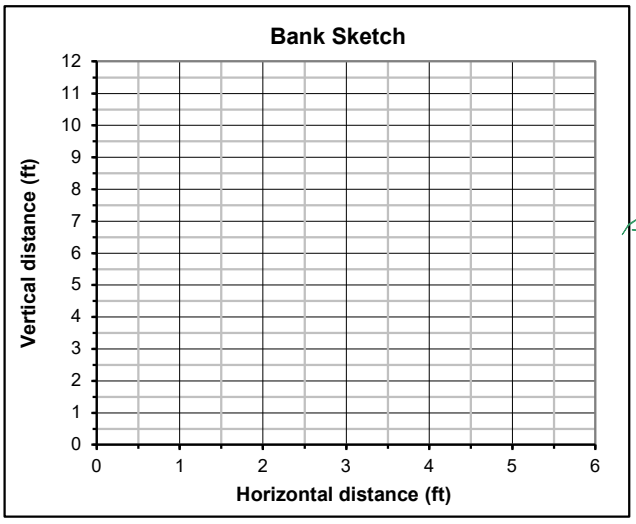
Bank Material Adjustment:

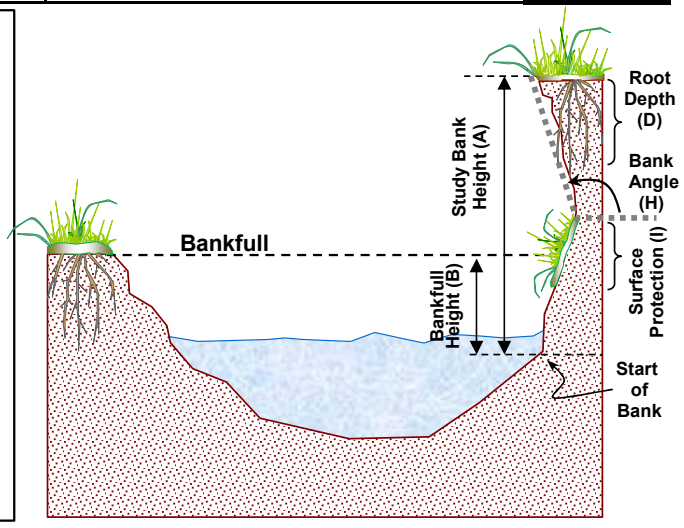
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **21.3**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 001**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.46 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.56 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**25.46 (A)**	(D) / (A) =	**0.20 (E)**	**7.2**
Weighted Root Density (G)						
Root Density as **%** =	**15.00 (F)**			(F) x (E) =	**2.9458 (G)**	**9.5**
Bank Angle (H)						
Bank Angle as *Degrees* =	**38 (H)**					**2.8**
Surface Protection (I)						
Surface Protection as **%** =	**60% (I)**					**3.5**

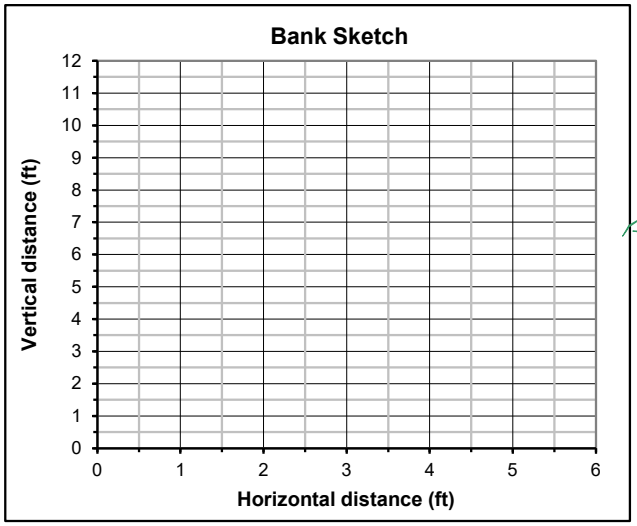
Bank Material Adjustment:

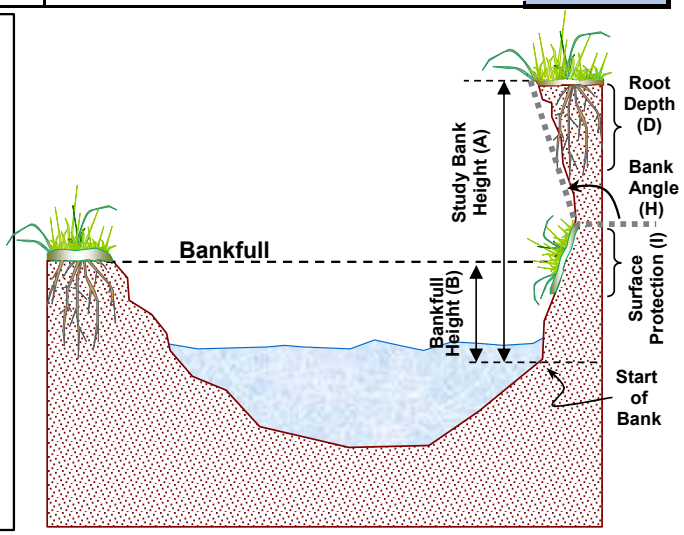
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **21.7**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 002**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.66 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.48 (C)**	**8.6**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**24.66 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as % =			**30.00 (F)**	(F) x (E) =	**3.64964 (G)**	**9.6**
Bank Angle (H)						
Bank Angle as *Degrees* =			**38 (H)**			**2.8**
Surface Protection (I)						
Surface Protection as % =			**50% (I)**			**4.2**

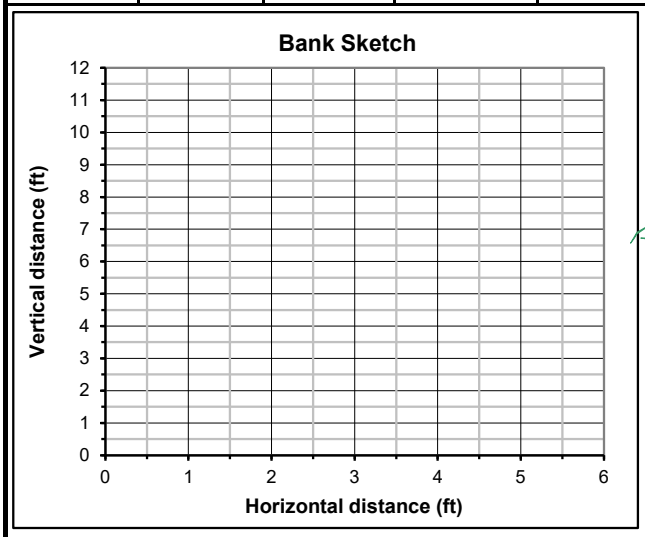
Bank Material Adjustment:

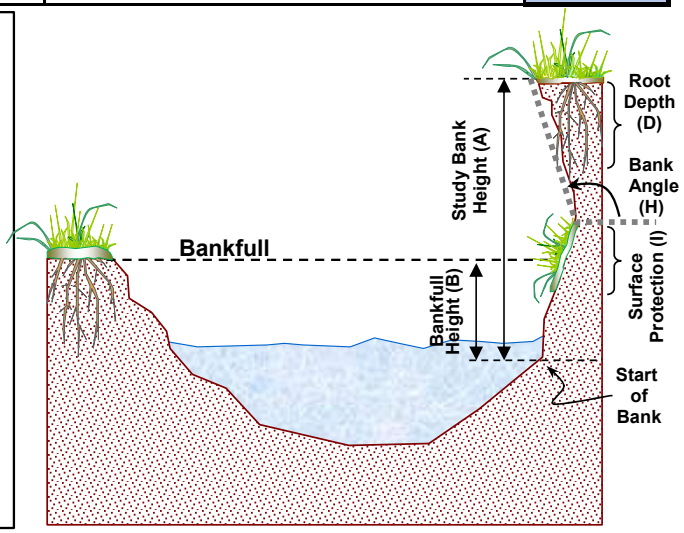
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **23.5**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 003**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

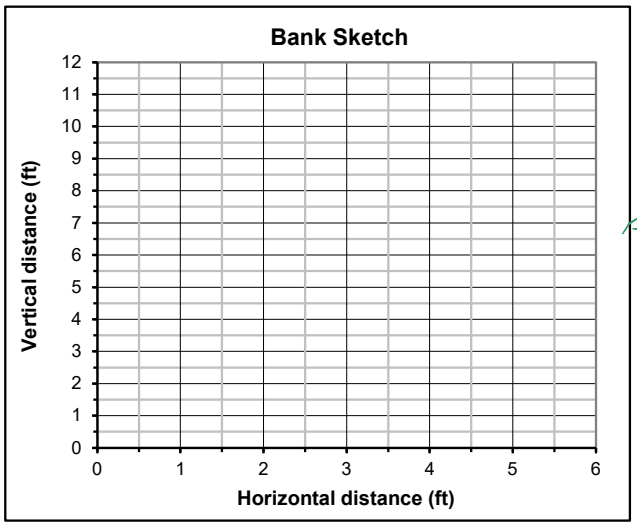
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**27.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.74 (C)**	**8.9**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**27.26 (A)**	(D) / (A) =	**0.04 (E)**	**9.2**
Weighted Root Density (G)						
Root Density as **%** =			**10.00 (F)**	(F) x (E) =	**0.36684 (G)**	**9.7**
Bank Angle (H)						
Bank Angle as *Degrees* =					**38 (H)**	**2.8**
Surface Protection (I)						
Surface Protection as **%** =					**50% (I)**	**4.2**

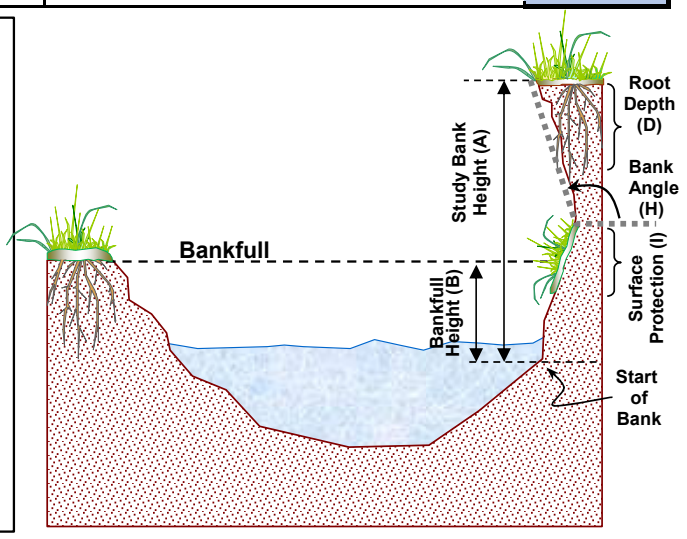
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating**	**Moderate**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**	**Total Score**	**24.8**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 004**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.66 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.68 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**26.66 (A)**	(D) / (A) =	**0.19 (E)**	**7.4**
Weighted Root Density (G)						
Root Density as **%** =			**20.00 (F)**	(F) x (E) =	**3.75094 (G)**	**9.5**
Bank Angle (H)						
Bank Angle as *Degrees* =			**38 (H)**			**2.8**
Surface Protection (I)						
Surface Protection as **%** =			**50% (I)**			**4.2**

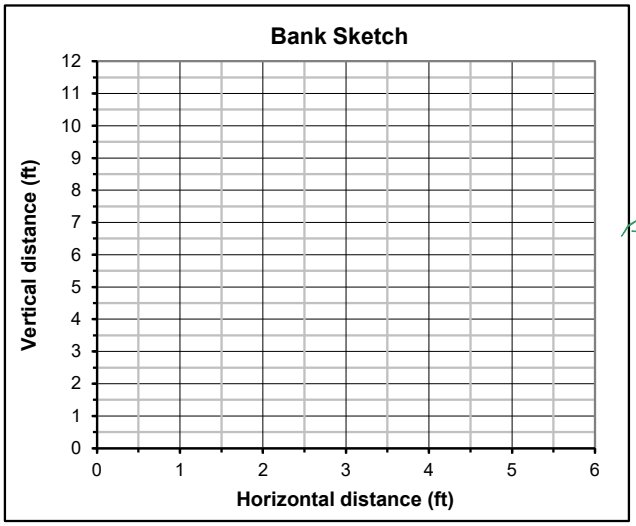
Bank Material Adjustment:

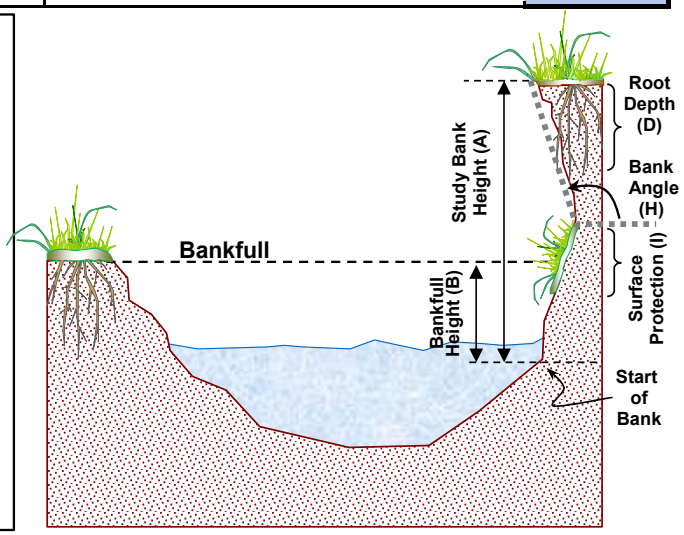
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **22.6**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 005**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

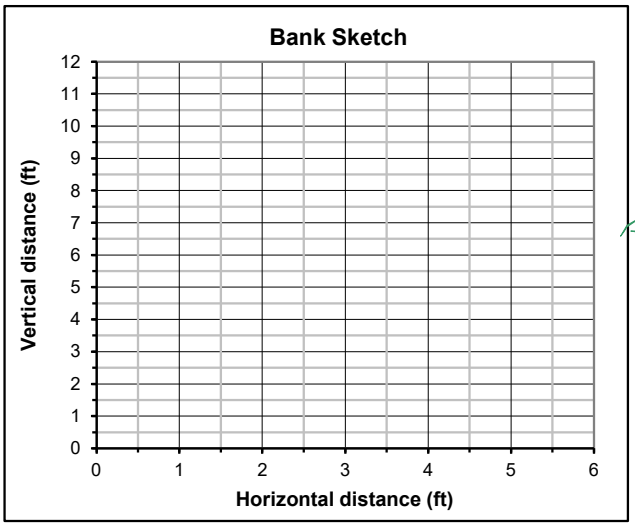
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.65 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**26.36 (A)**	(D) / (A) =	**0.19 (E)**	**7.4**
Weighted Root Density (G)						
Root Density as % =	**30.00 (F)**			(F) x (E) =	**5.69044 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as % =	**40% (I)**					**5.0**

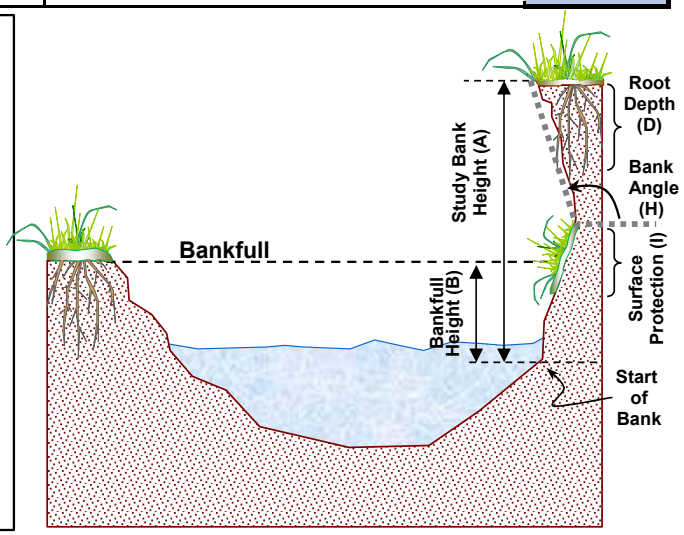
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **23.0**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 006**	Observers:	**ORBIS,BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**29.22 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.94 (C)**	**9.2**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**29.22 (A)**	(D) / (A) =	**0.17 (E)**	**7.5**
Weighted Root Density (G)						
Root Density as **%** =			**50.00 (F)**	(F) x (E) =	**8.55578 (G)**	**8.7**
Bank Angle (H)						
Bank Angle as *Degrees* =					**28 (H)**	**2.3**
Surface Protection (I)						
Surface Protection as **%** =					**70% (I)**	**2.8**

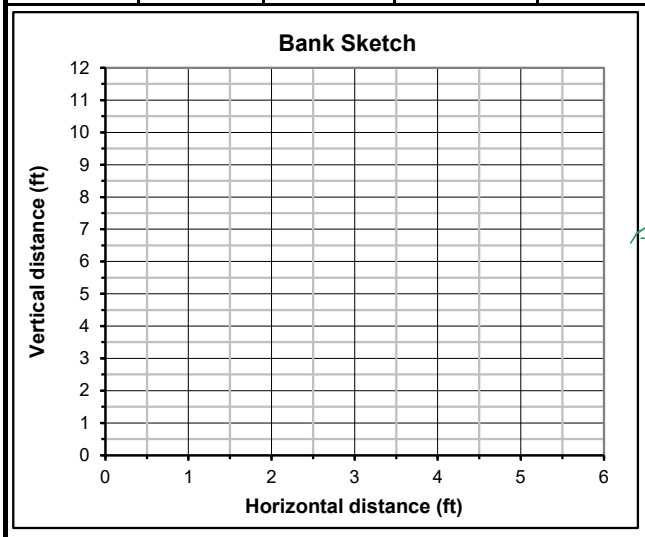
Bank Material Adjustment:

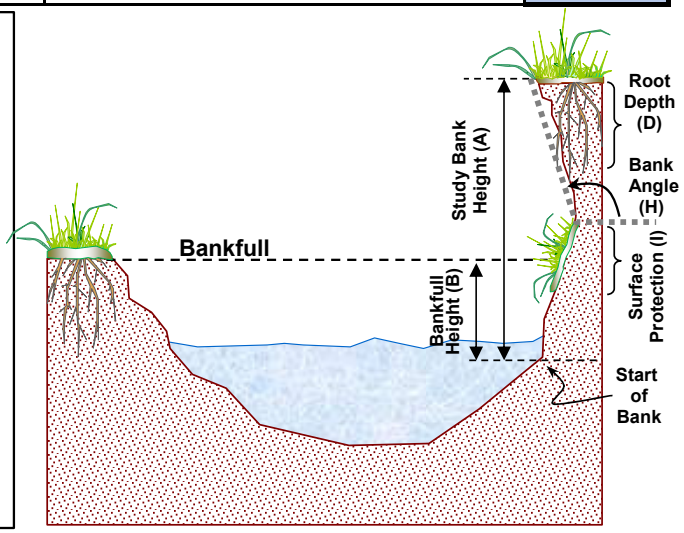
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating**	**Moderate**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**	**and Total Score**	**20.5**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 007**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.66 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.68 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**26.66 (A)**	(D) / (A) =	**0.19 (E)**	**7.4**
Weighted Root Density (G)						
Root Density as % =	**50.00 (F)**			(F) x (E) =	**9.37734 (G)**	**8.7**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as % =	**70% (I)**					**2.8**

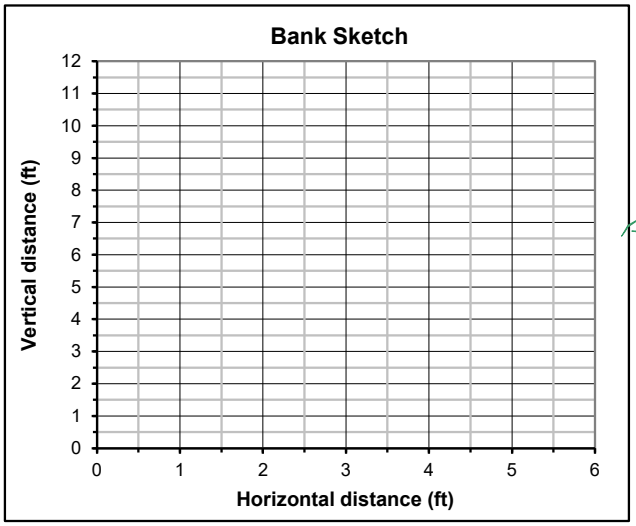
Bank Material Adjustment:

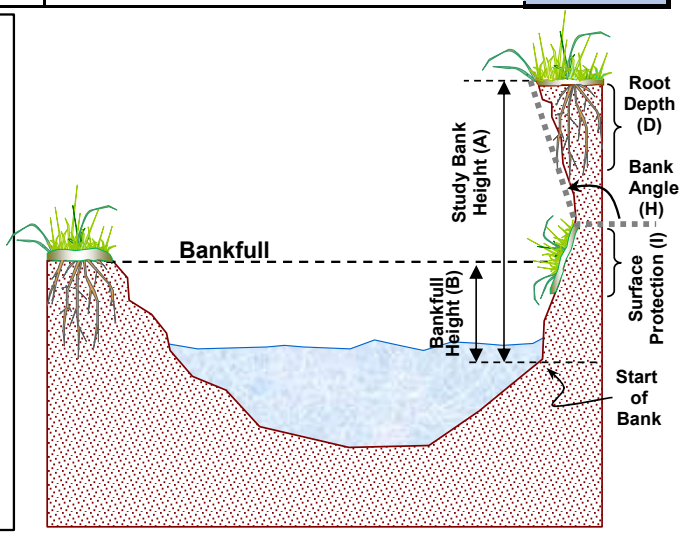
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **20.1**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 008**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**29.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**3.00 (C)**	**9.4**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**29.86 (A)**	(D) / (A) =	**0.10 (E)**	**8.5**
Weighted Root Density (G)						
Root Density as **%** =	**30.00 (F)**			(F) x (E) =	**3.01407 (G)**	**9.5**
Bank Angle (H)						
Bank Angle as *Degrees* =	**28 (H)**					**2.3**
Surface Protection (I)						
Surface Protection as **%** =	**50% (I)**					**4.2**

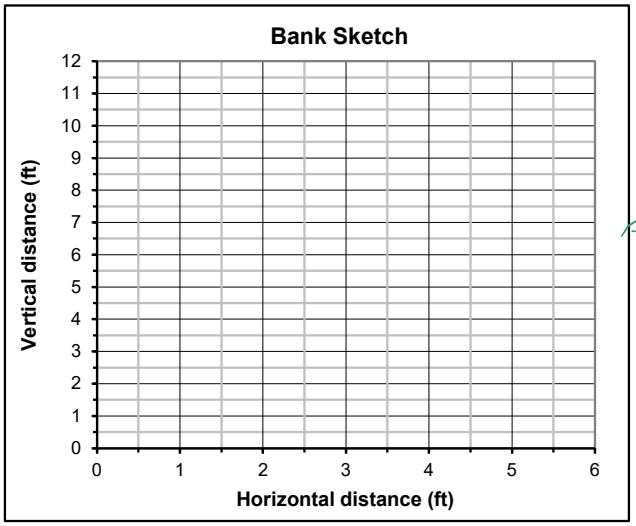
Bank Material Adjustment:

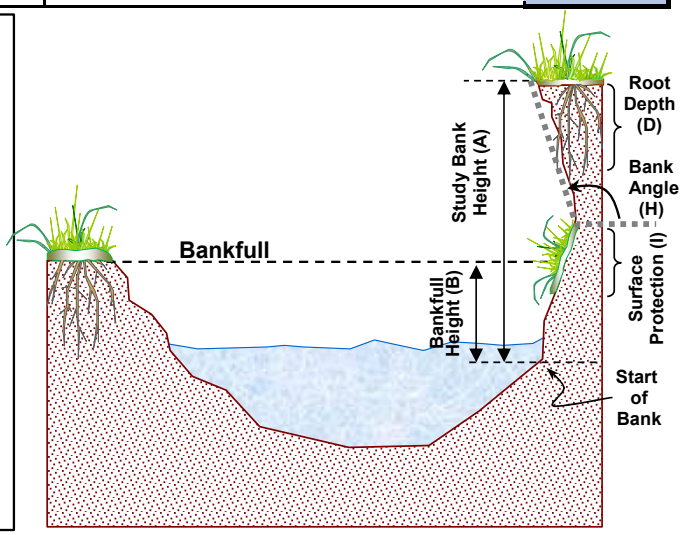
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **23.9**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 009**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**30.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**3.03 (C)**	**9.4**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**30.16 (A)**	(D) / (A) =	**0.10 (E)**	**8.5**
Weighted Root Density (G)						
Root Density as % =	**30.00 (F)**	(F) x (E) =	**2.98408 (G)**			**9.5**
Bank Angle (H)						
Bank Angle as *Degrees* =	**28 (H)**					**2.3**
Surface Protection (I)						
Surface Protection as % =	**60% (I)**					**3.5**

Bank Material Adjustment:

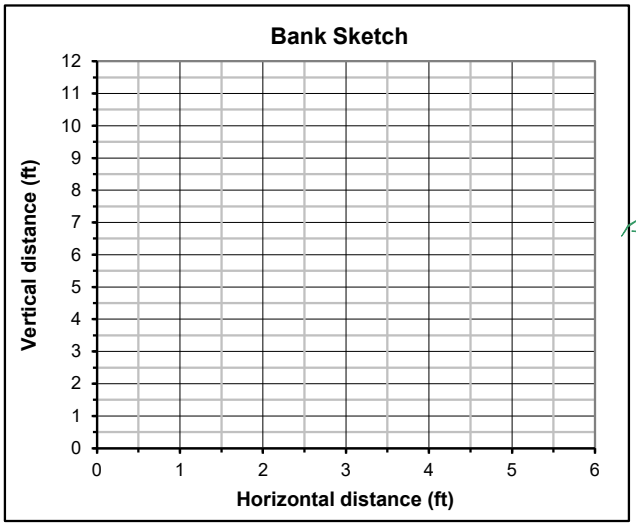
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

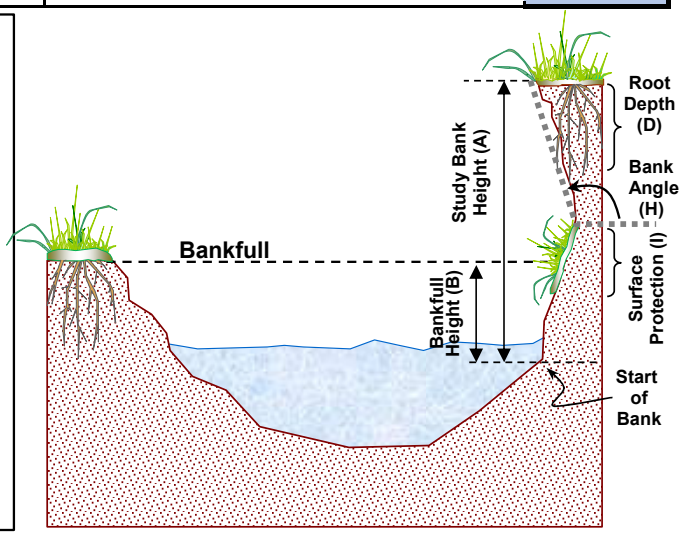
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Moderate **23.2**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 010**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**29.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.99 (C)**	**9.4**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**29.76 (A)**	(D) / (A) =	**0.10 (E)**	**8.5**
Weighted Root Density (G)						
Root Density as % =	**30.00 (F)**	(F) x (E) =	**3.02419 (G)**			**9.5**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as % =	**70% (I)**					**2.8**

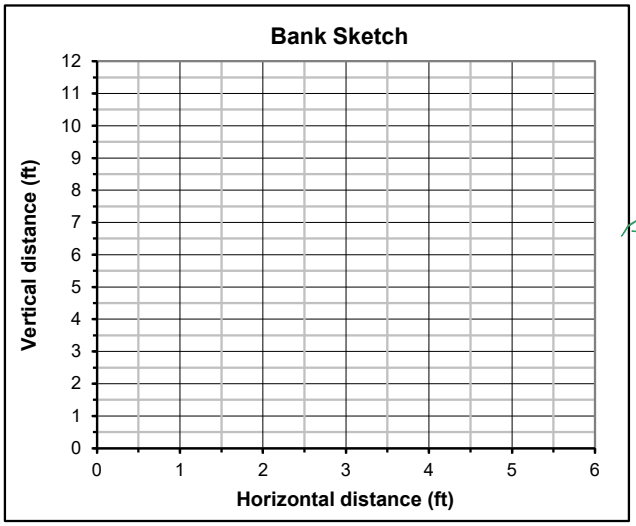
Bank Material Adjustment:

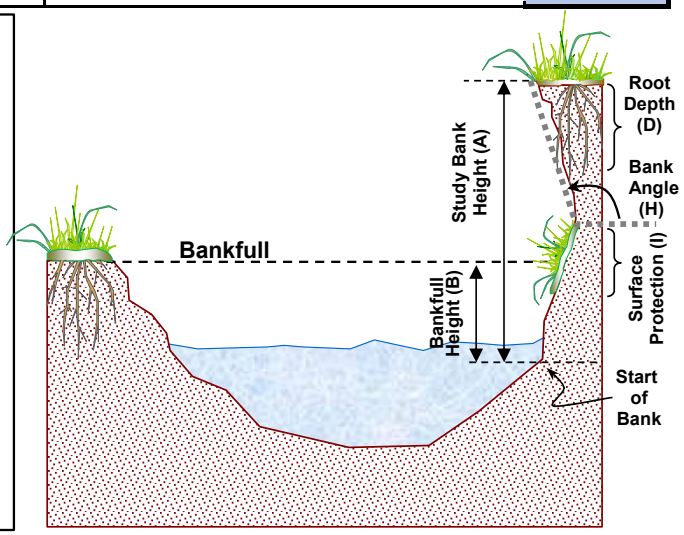
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **22.7**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**011**	Observers:	**Orbis, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

Study Bank Height to Bankfull Height (C)

						BEHI Score (Fig. 3-7)
Study Bank Height (ft) =	**25.42 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.56 (C)**	**8.6**

Root Depth to Study Bank Height (E)

Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**25.42 (A)**	(D) / (A) =	**0.12 (E)**	**8.1**

Weighted Root Density (G)

Root Density as % =	**30.00 (F)**	(F) x (E) =	**3.54052 (G)**	**9.3**	

Bank Angle (H)

Bank Angle as *Degrees* =	**38 (H)**	**3.0**

Surface Protection (I)

Surface Protection as % =	**70% (I)**	**3.0**

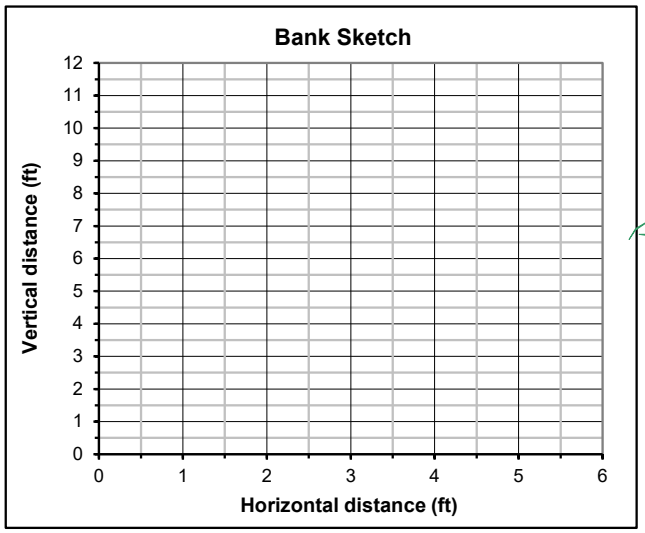
Bank Material Adjustment:

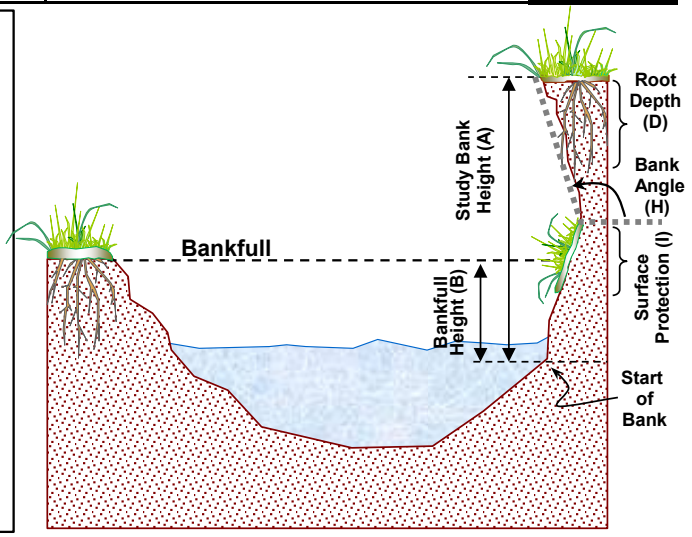
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **22.0**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Drydock Basin, SCC**
Station:	**Transect 014**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.39 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**23.76 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**15.00 (F)**	(F) x (E) =	**0.63131 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**38 (H)**	**2.8**
Surface Protection (I)						
Surface Protection as **%** =					**95% (I)**	**0.5**

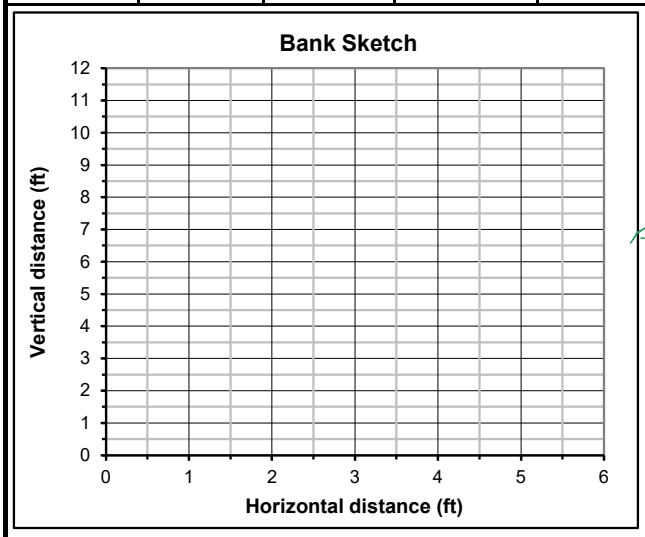
Bank Material Adjustment:

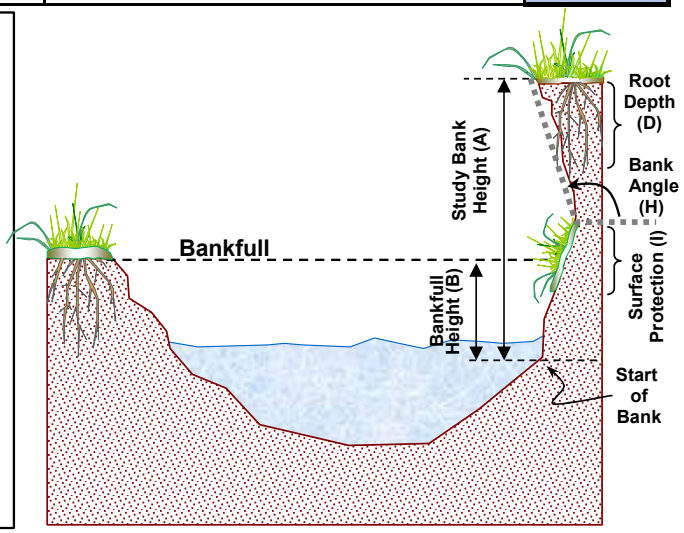
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **20.5**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 022**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.4**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

Bank Material Adjustment:

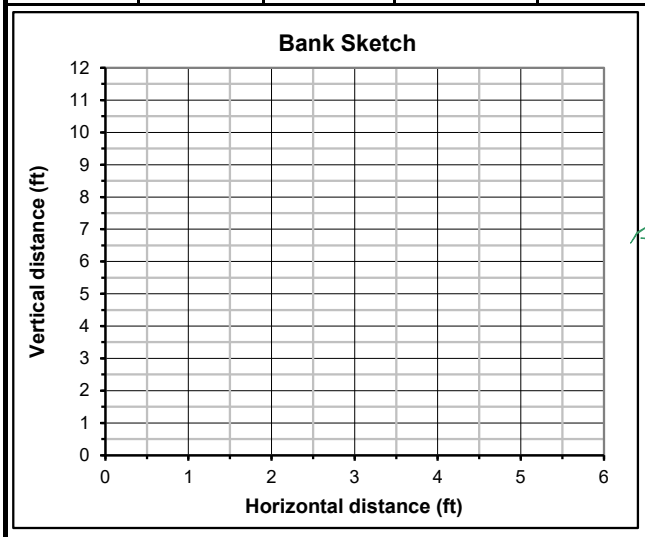
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

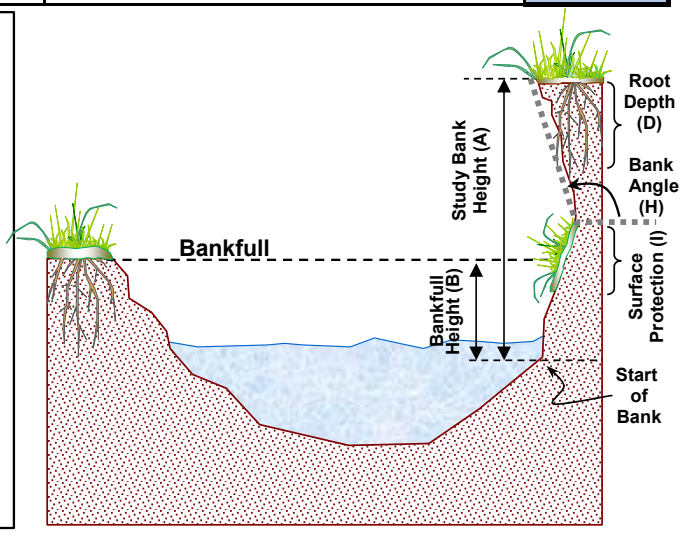
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Moderate / **21.3**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 022**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.4**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

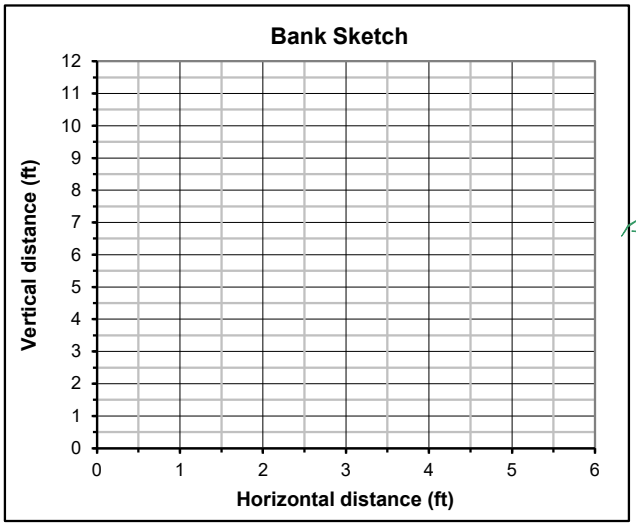
Bank Material Adjustment:

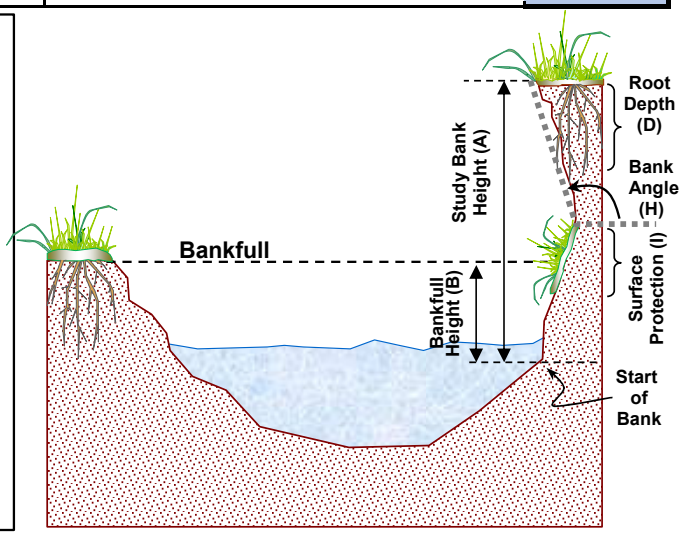
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **21.3**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 024**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**38 (H)**					**2.8**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

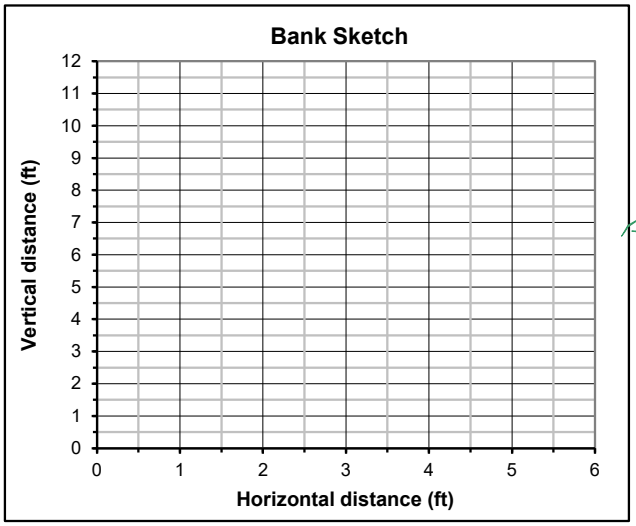
Bank Material Adjustment:

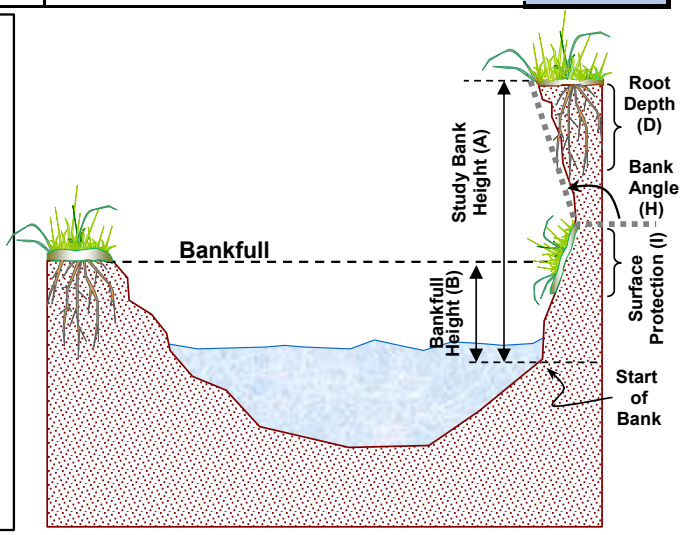
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **21.7**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 025**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height (ft) =**	**9.94 (B)**	**(A) / (B) =**	**2.20 (C)**	**8.3**
Study Bank Height to Bankfull Height (C)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height (ft) =**	**21.86 (A)**	**(D) / (A) =**	**0.00 (E)**	**9.8**
Root Depth to Study Bank Height (E)						
Root Density as % =	**0.00 (F)**			**(F) x (E) =**	**0 (G)**	**9.8**
Weighted Root Density (G)						
Bank Angle as *Degrees* =	**38 (H)**					**2.8**
Bank Angle (H)						
Surface Protection as % =	**80% (I)**					**1.8**
Surface Protection (I)						

Bank Material Adjustment:

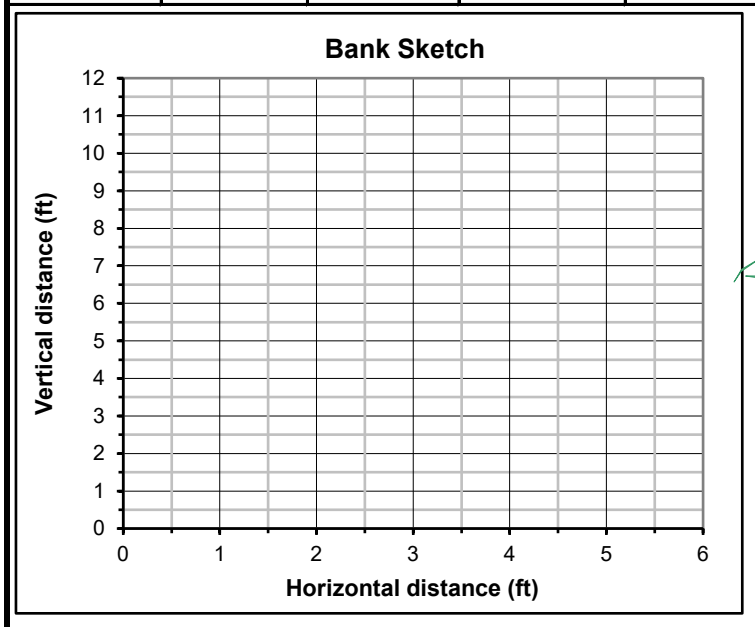
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

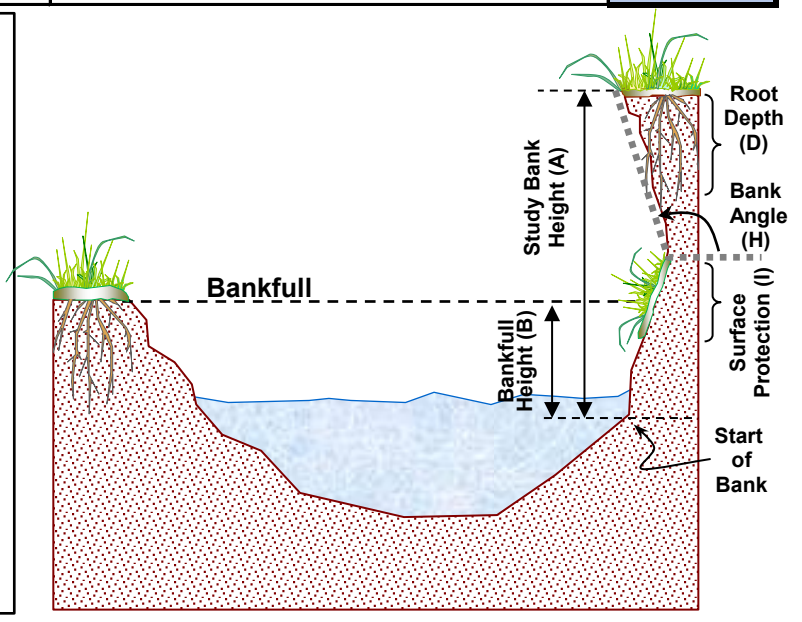
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**

Adjective Rating and Total Score: **Moderate** / **22.5**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 026**	Observers:	**ORBIS, BWG, MM**
Date:	**2/16/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**38 (H)**					**2.8**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

Bank Material Adjustment:

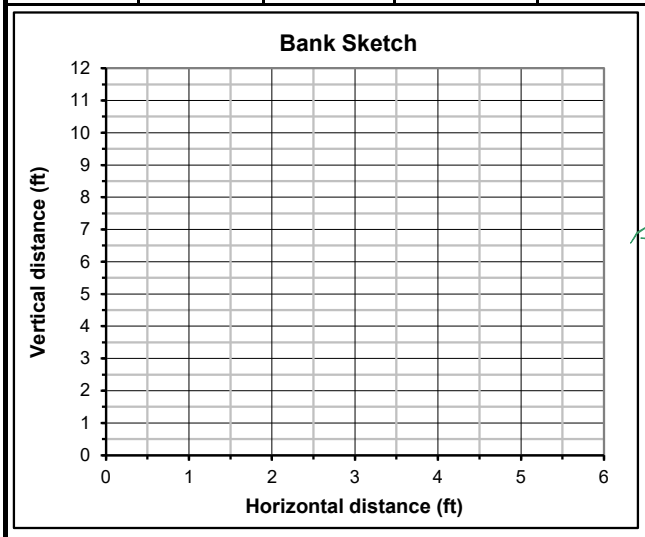
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

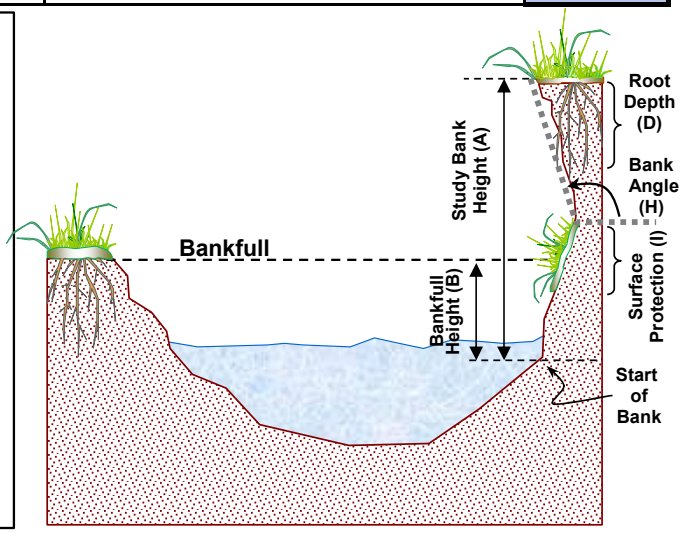
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Moderate **21.7**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 027**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

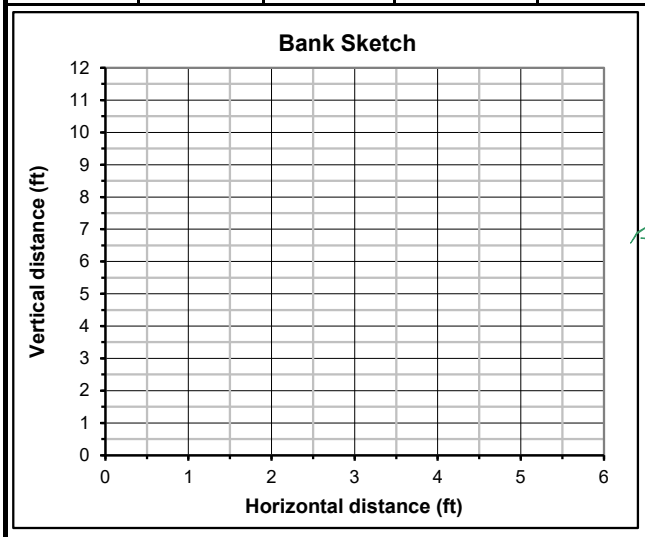
Bank Material Adjustment:

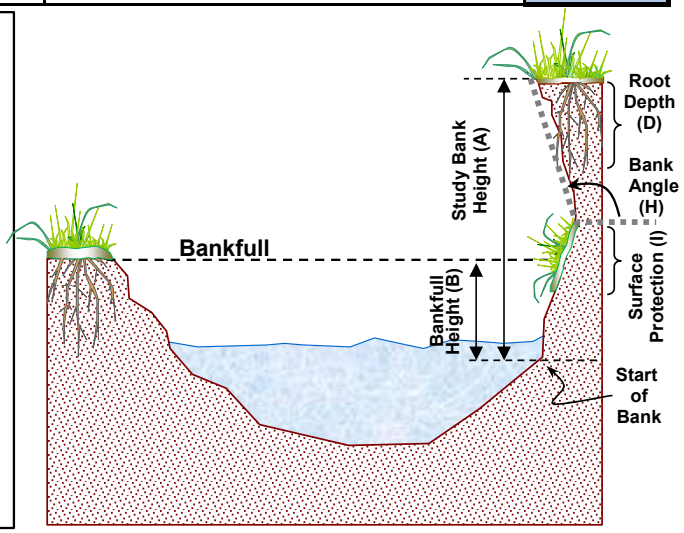
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **21.4**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 028**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

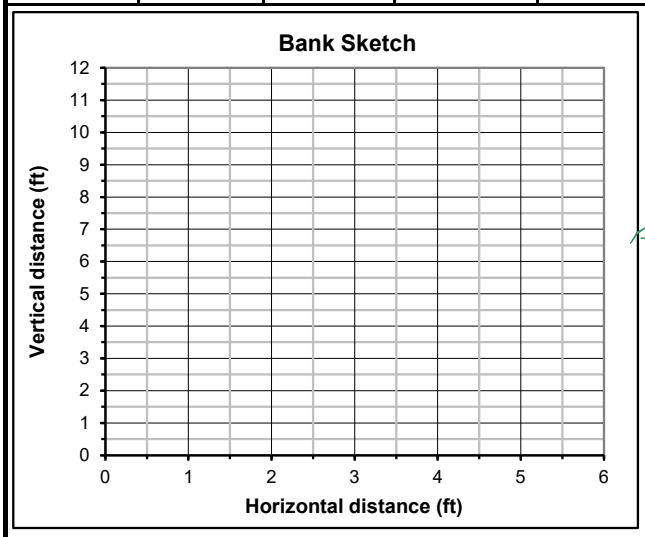
Bank Material Adjustment:

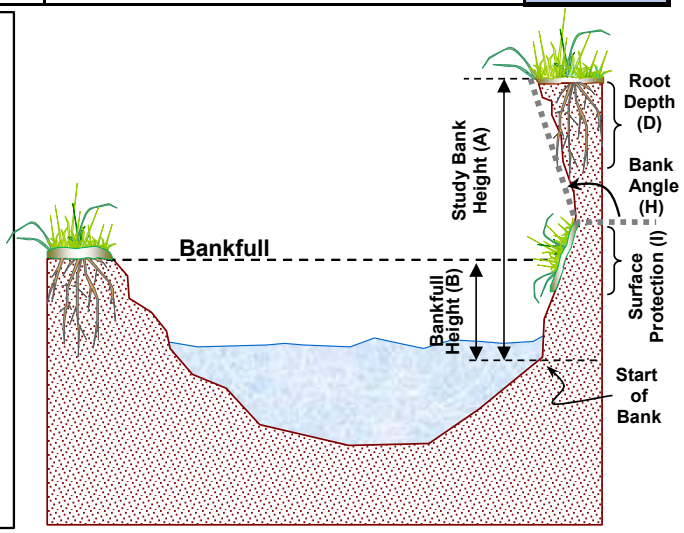
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **21.4**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 029**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =			**0.00 (F)**	(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**32 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as **%** =					**90% (I)**	**1.0**

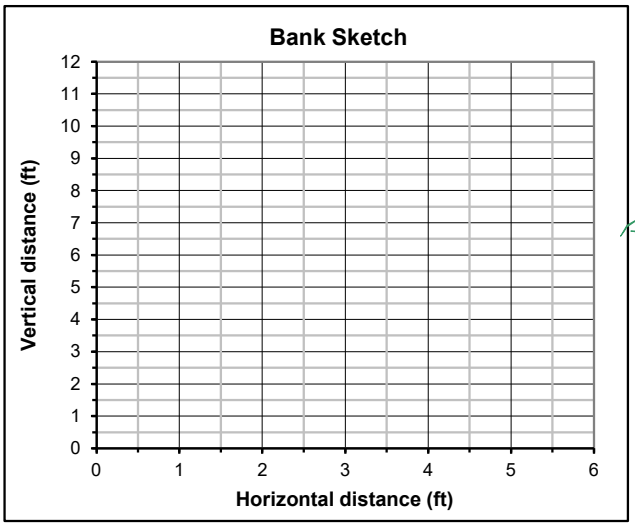
Bank Material Adjustment:

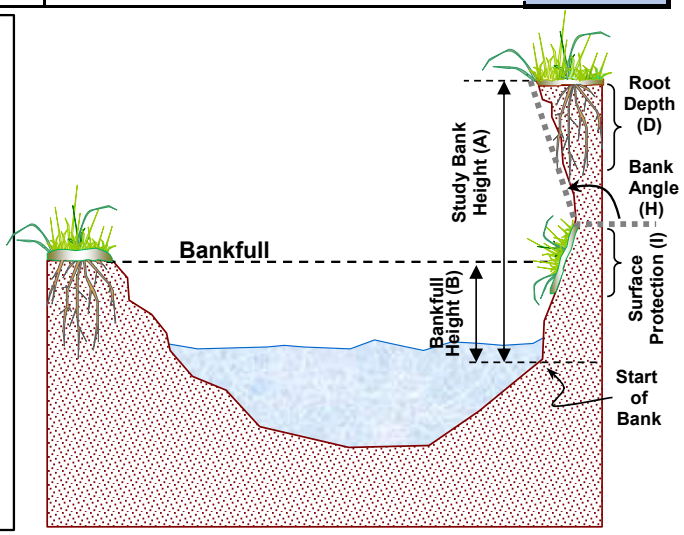
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **21.4**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 030**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

Bank Material Adjustment:

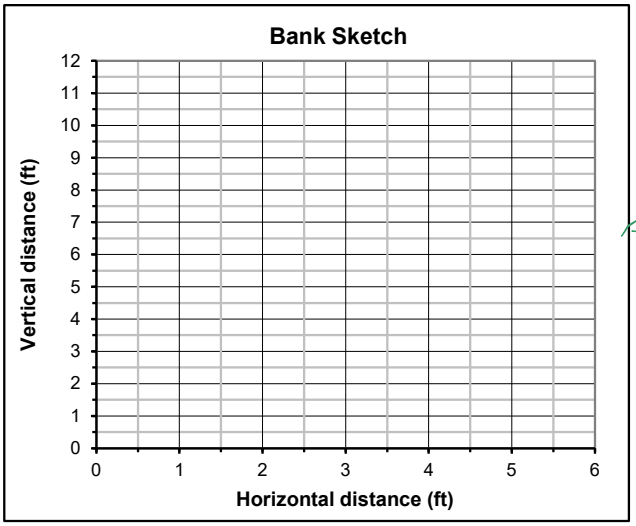
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

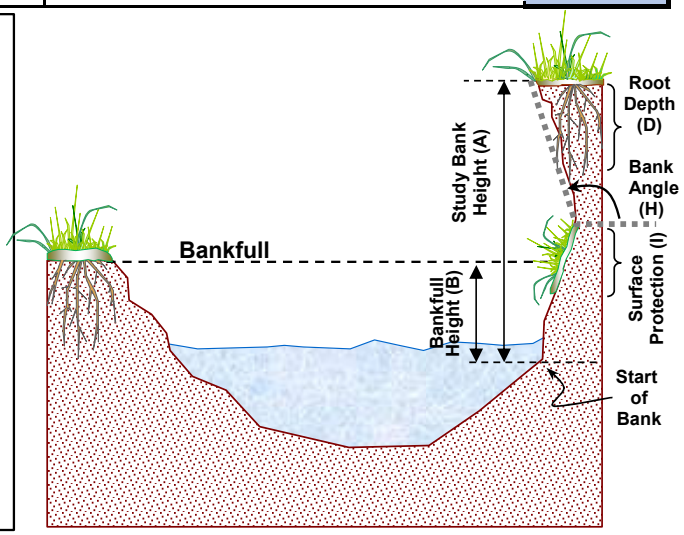
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Moderate / **21.4**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 031**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**80% (I)**					**1.8**

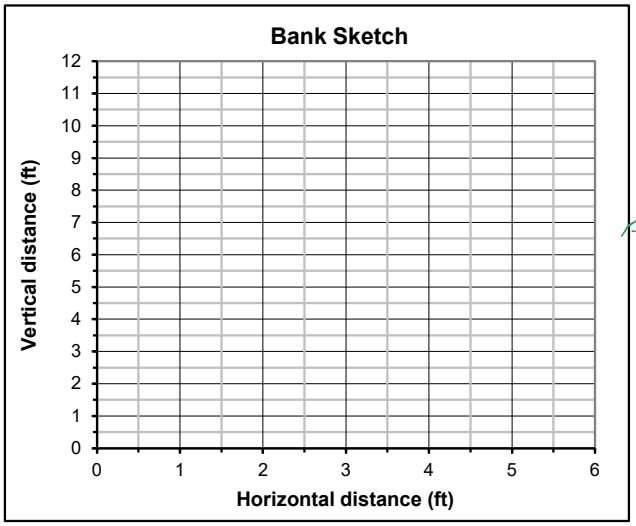
Bank Material Adjustment:

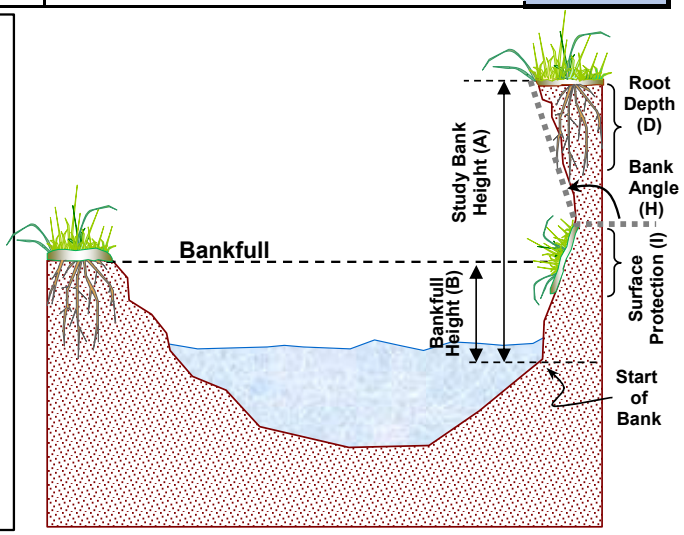
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **22.2**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 032**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**80% (I)**					**1.8**

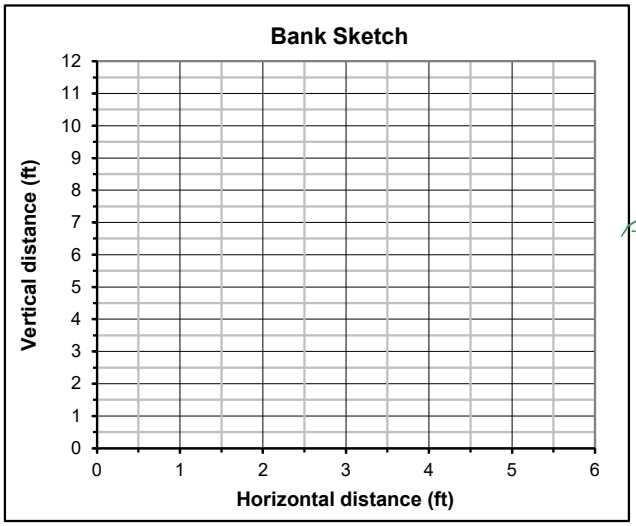
Bank Material Adjustment:

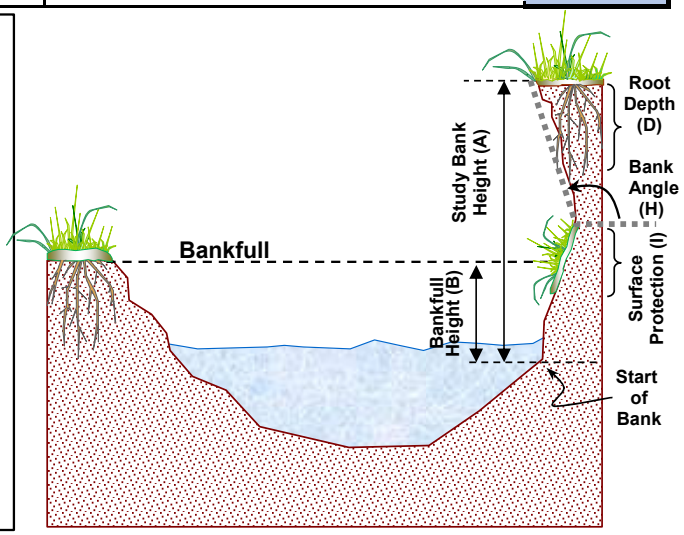
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **22.2**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 033**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

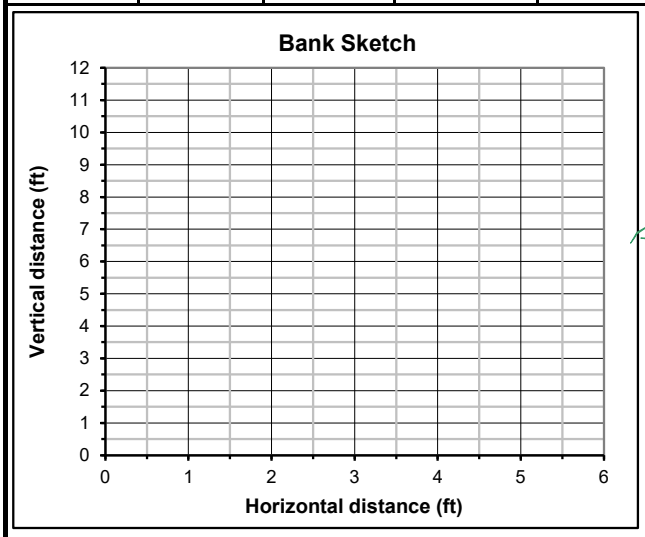
Bank Material Adjustment:

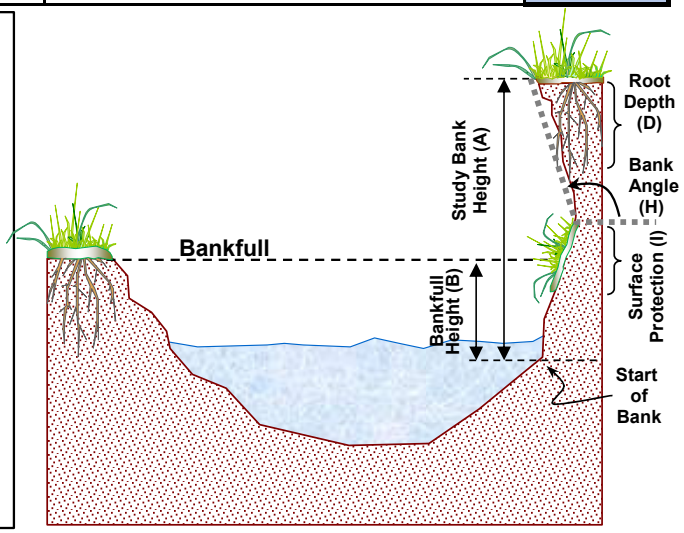
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **21.4**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 034**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =			**0.00 (F)**	(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**32 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as **%** =					**90% (I)**	**1.0**

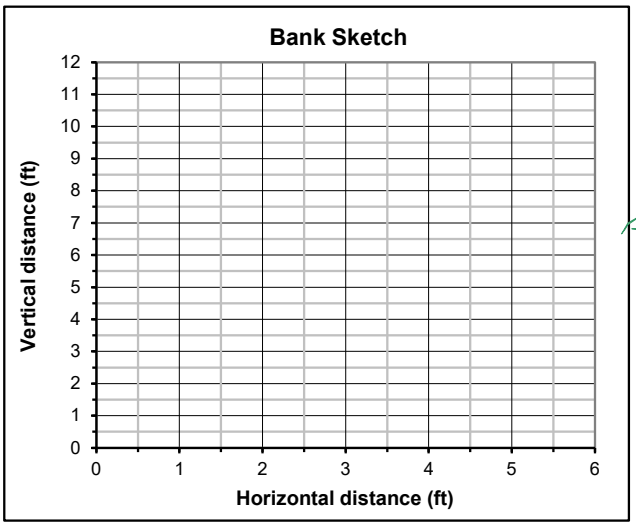
Bank Material Adjustment:

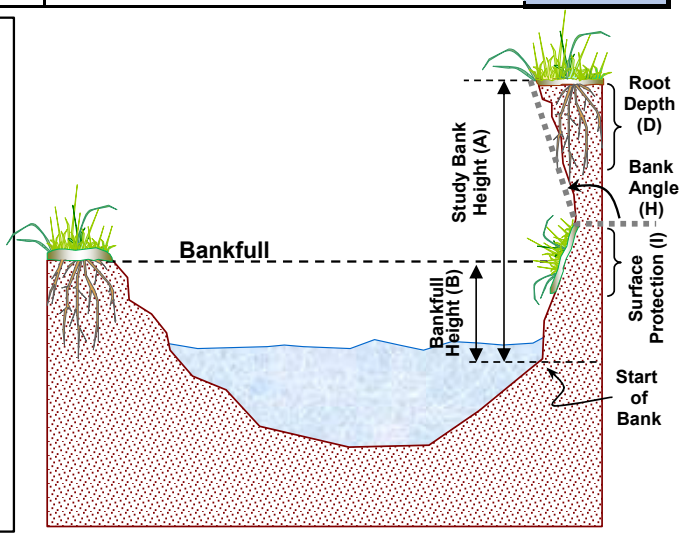
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **21.4**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 035**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =			**0.00 (F)**	(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**32 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as **%** =					**90% (I)**	**1.0**

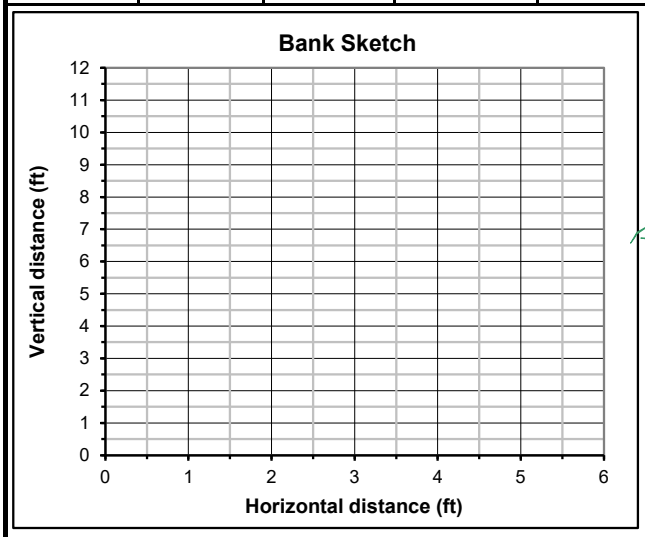
Bank Material Adjustment:

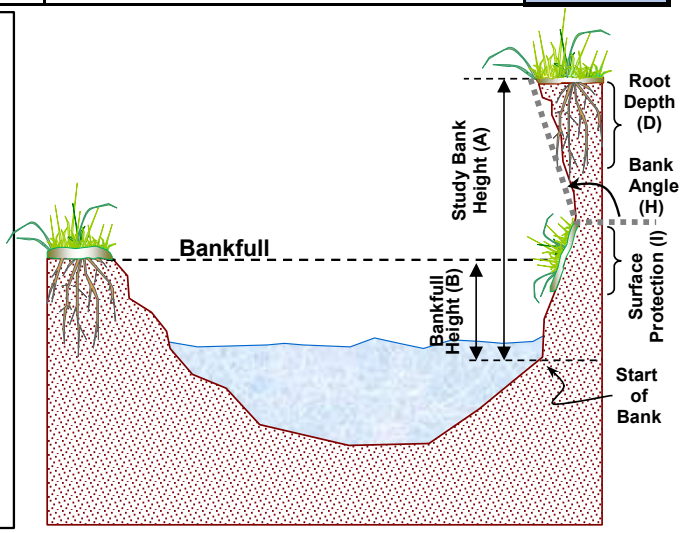
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** 21.4





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 036**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**28 (H)**					**2.3**
Surface Protection (I)						
Surface Protection as **%** =	**75% (I)**					**2.3**

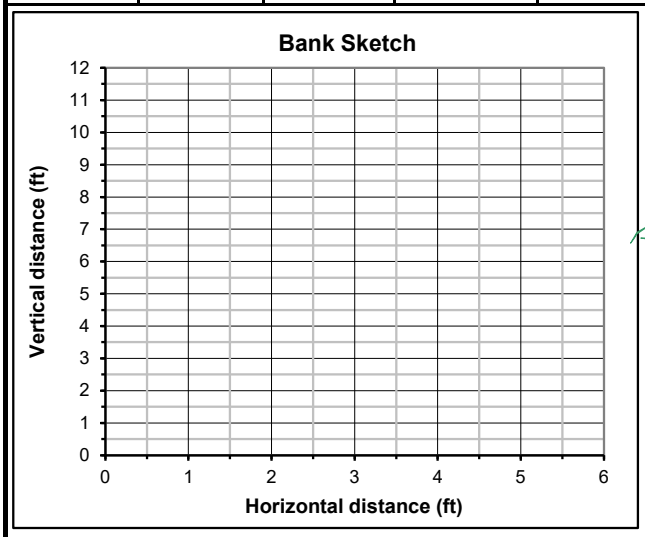
Bank Material Adjustment:

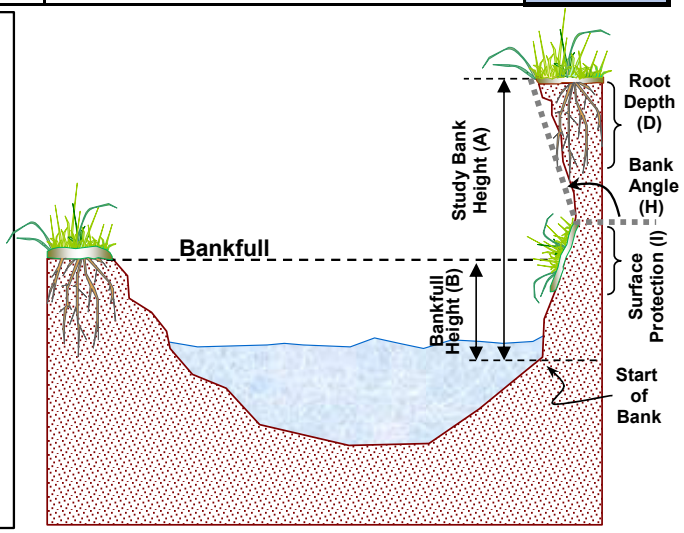
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **22.5**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 037**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**3.0**
Surface Protection (I)						
Surface Protection as **%** =	**15% (I)**					**7.5**

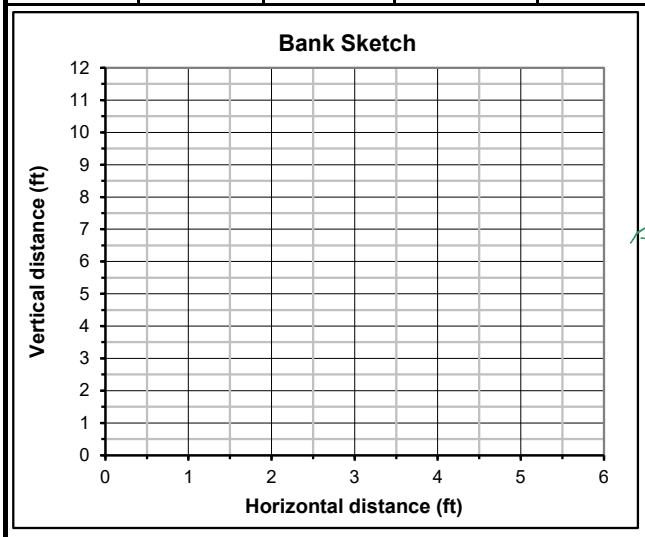
Bank Material Adjustment:

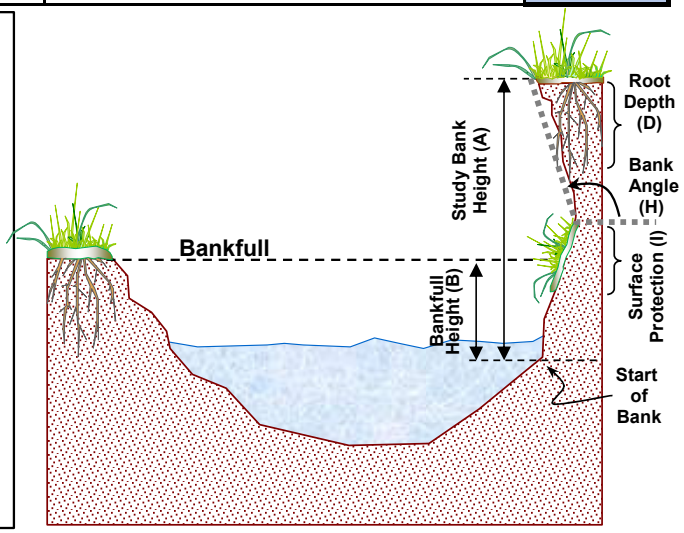
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **28.4**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 038**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =			**0.00 (F)**	(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**45 (H)**	**3.0**
Surface Protection (I)						
Surface Protection as **%** =					**15% (I)**	**7.5**

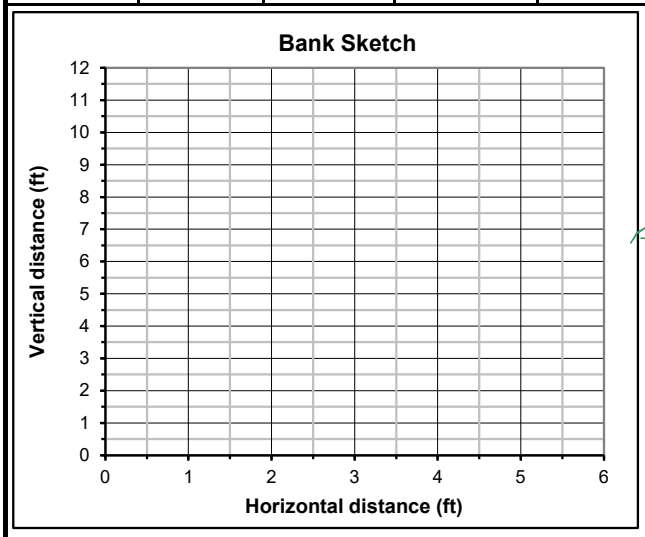
Bank Material Adjustment:

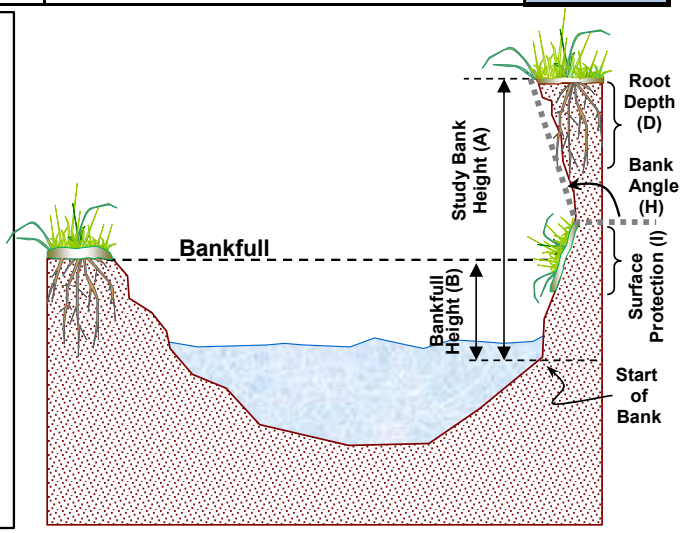
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **28.4**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 039**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**3.0**
Surface Protection (I)						
Surface Protection as **%** =	**20% (I)**					**7.5**

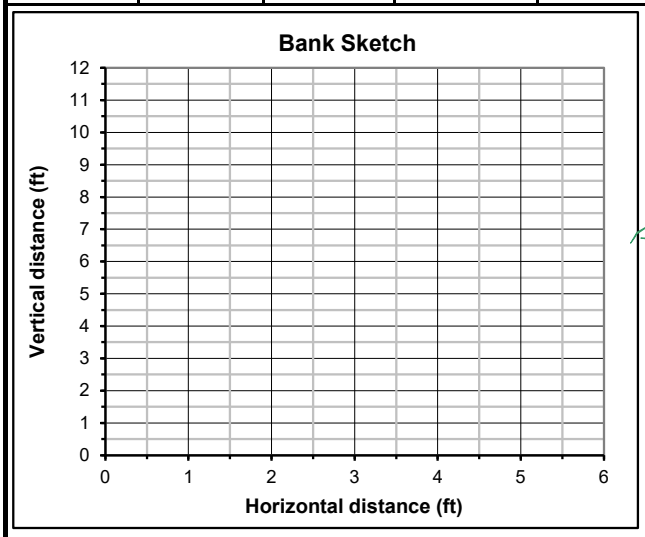
Bank Material Adjustment:

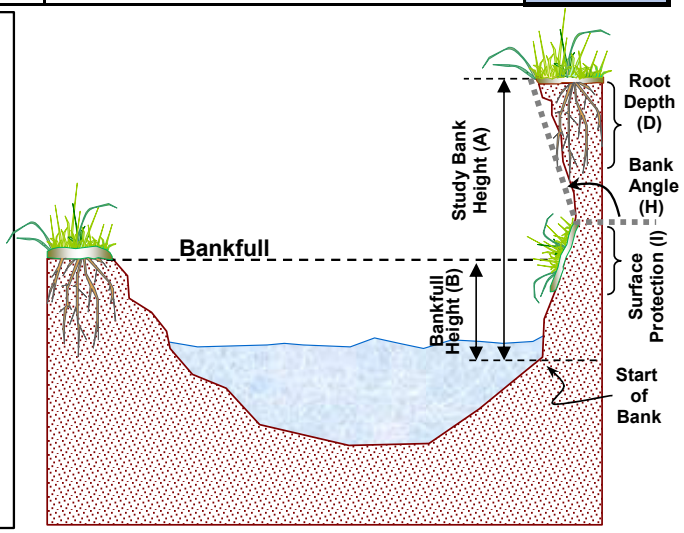
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **28.4**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 040**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**4.0**
Surface Protection (I)						
Surface Protection as **%** =	**30% (I)**					**5.8**

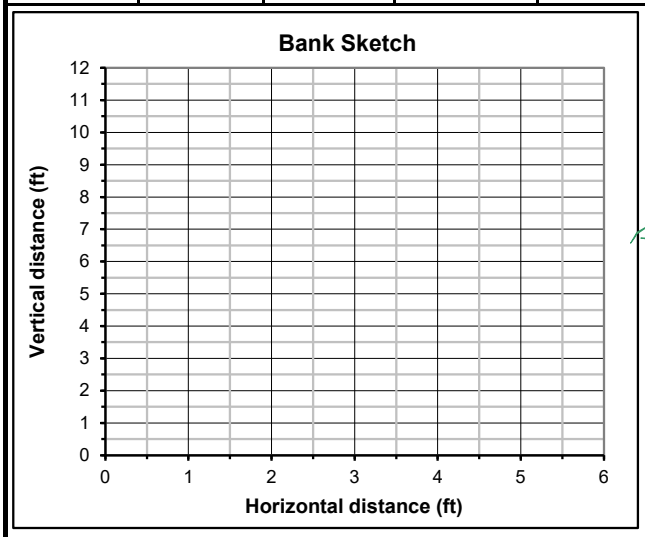
Bank Material Adjustment:

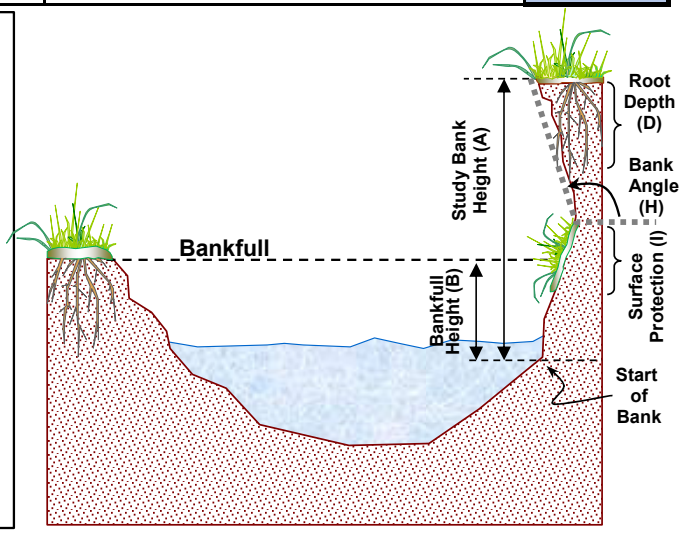
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **27.7**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 041**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**3.0**
Surface Protection (I)						
Surface Protection as **%** =	**30% (I)**					**5.8**

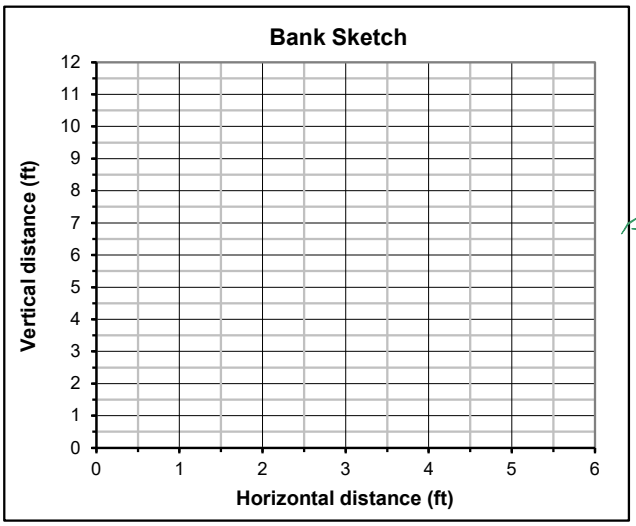
Bank Material Adjustment:

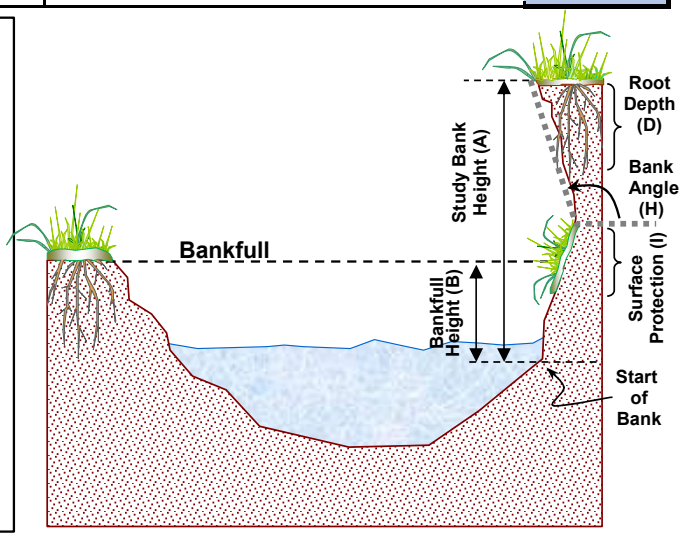
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** **26.7**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Wharf, SCC**
Station:	**Transect 042**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

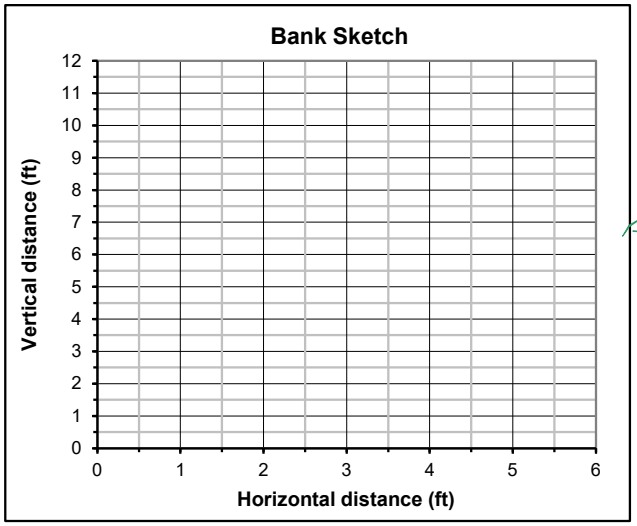
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**0.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.00 (E)**	**9.8**
Weighted Root Density (G)						
Root Density as **%** =	**0.00 (F)**			(F) x (E) =	**0 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**3.0**
Surface Protection (I)						
Surface Protection as **%** =	**30% (I)**					**5.8**

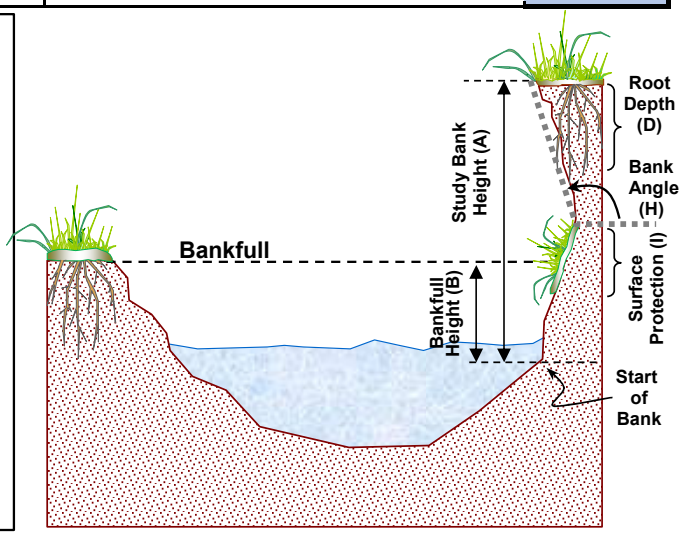
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **26.7**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 306, SCC**
Station:	**Transect 043**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

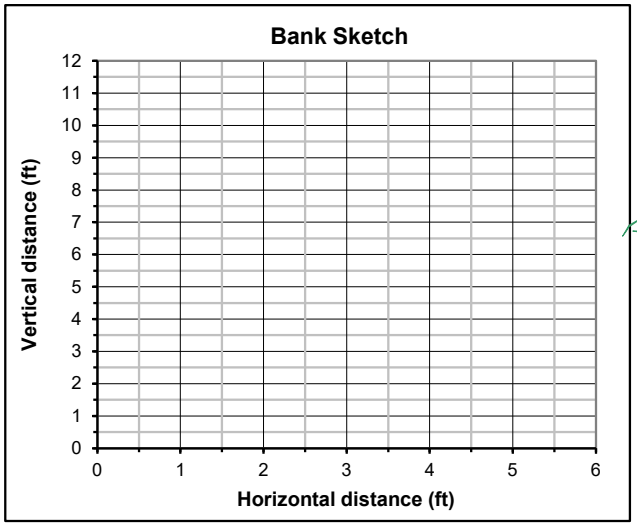
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.46 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.46 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**24.46 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as % =			**40.00 (F)**	(F) x (E) =	**4.90597 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =					**48 (H)**	**3.4**
Surface Protection (I)						
Surface Protection as % =					**30% (I)**	**5.8**

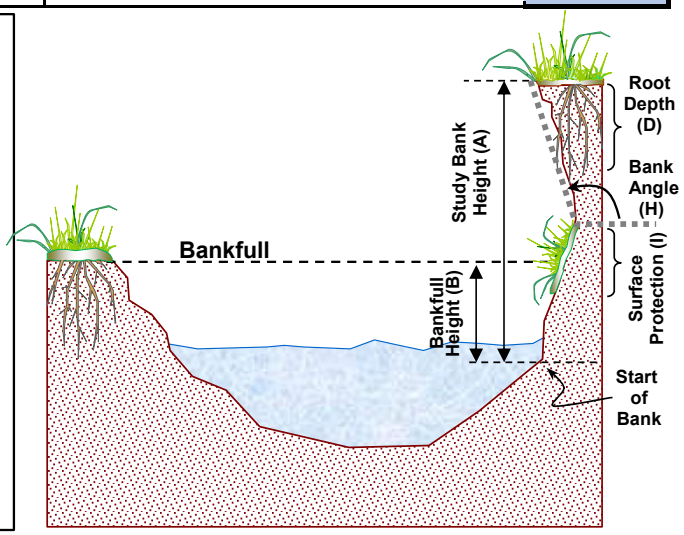
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **25.4**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lagoon Lay Berth 306, SCC**
Station:	**Transect 044**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.56 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.47 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**24.56 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as % =	**30.00 (F)**			(F) x (E) =	**3.6645 (G)**	**9.6**
Bank Angle (H)						
Bank Angle as *Degrees* =	**48 (H)**					**3.4**
Surface Protection (I)						
Surface Protection as % =	**25% (I)**					**6.4**

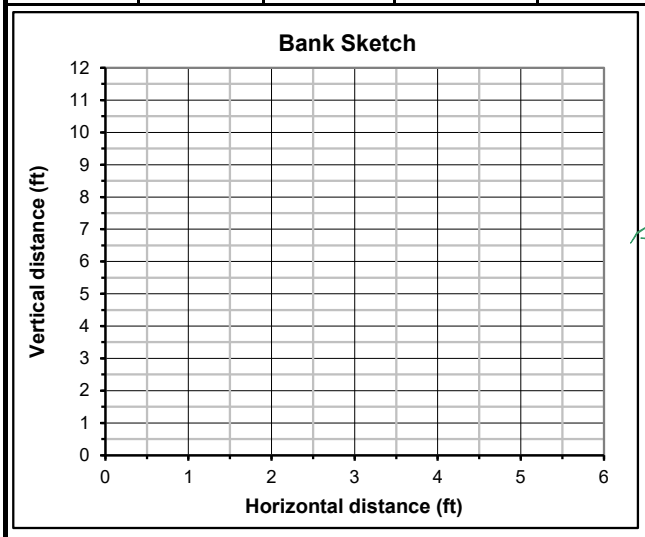
Bank Material Adjustment:

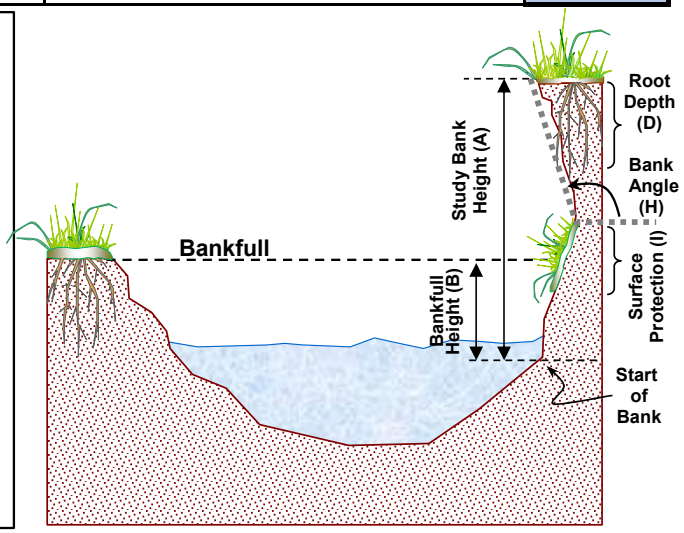
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** 26.2
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 306, SCC**
Station:	**Transect 045**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.50 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**24.86 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as % =	**10.00 (F)**			(F) x (E) =	**1.20676 (G)**	**9.7**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**3.0**
Surface Protection (I)						
Surface Protection as % =	**25% (I)**					**6.4**

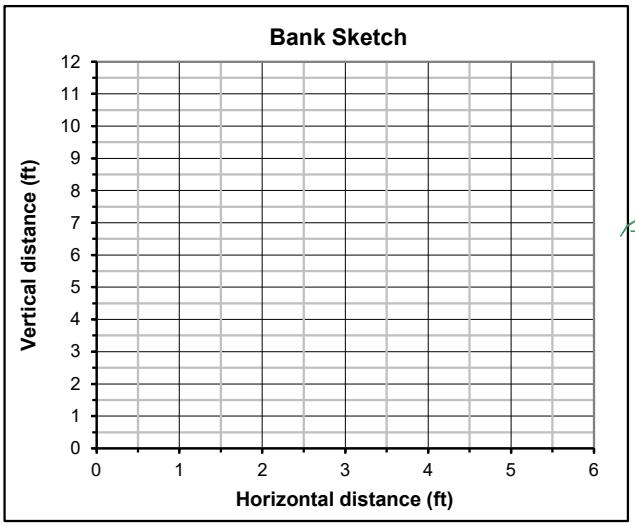
Bank Material Adjustment:

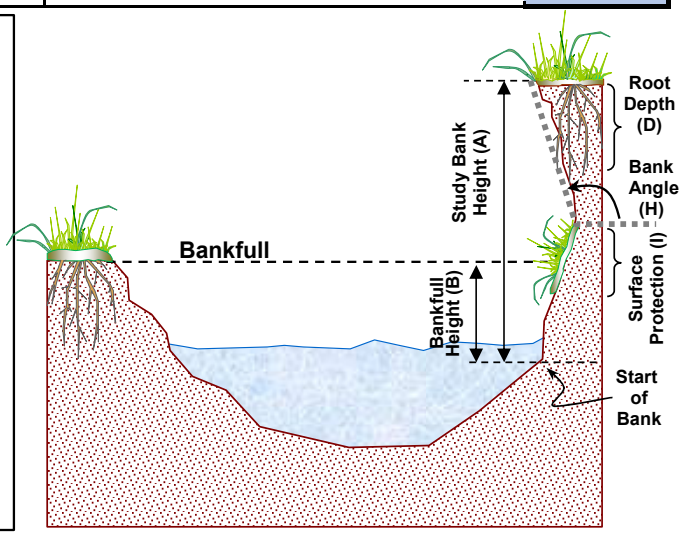
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment:

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **35.9**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 306, SCC**
Station:	**Transect 046**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.63 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**2.00 (D)**	**Study Bank Height** (ft) =	**26.16 (A)**	(D) / (A) =	**0.08 (E)**	**8.6**
Weighted Root Density (G)						
Root Density as **%** =			**70.00 (F)**	(F) x (E) =	**5.35168 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =			**45 (H)**			**3.0**
Surface Protection (I)						
Surface Protection as **%** =			**50% (I)**			**4.2**

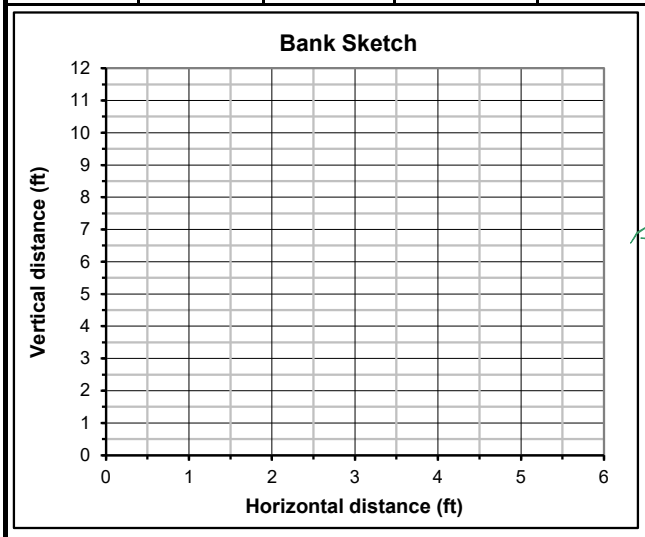
Bank Material Adjustment:

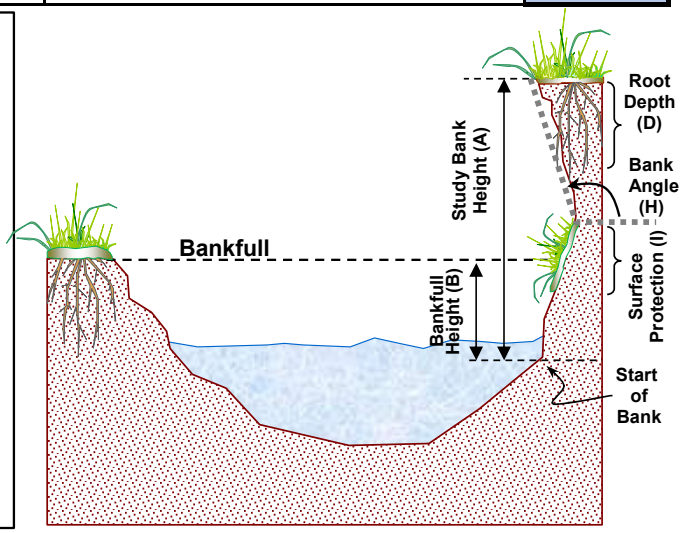
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating**	**Moderate**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**	and **Total Score**	**28.9**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream: **SIB**		Location: **Berth 306, SCC**	
Station: **Transect 047**		Observers: **ORBIS, BWG, MM**	
Date: **2/15/2022**	Stream Type:		Valley Type:

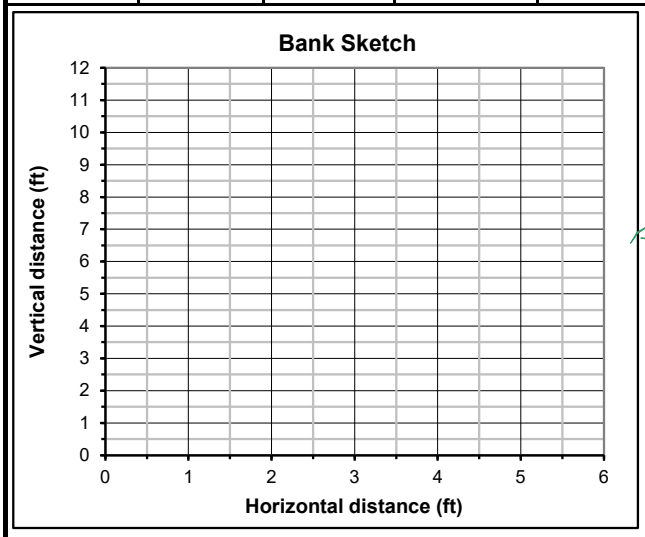
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.64 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**2.00 (D)**	**Study Bank Height** (ft) =	**26.26 (A)**	(D) / (A) =	**0.08 (E)**	**8.6**
Weighted Root Density (G)						
Root Density as **%** =			**70.00 (F)**	(F) x (E) =	**5.3313 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =			**45 (H)**			**3.0**
Surface Protection (I)						
Surface Protection as **%** =			**70% (I)**			**2.8**

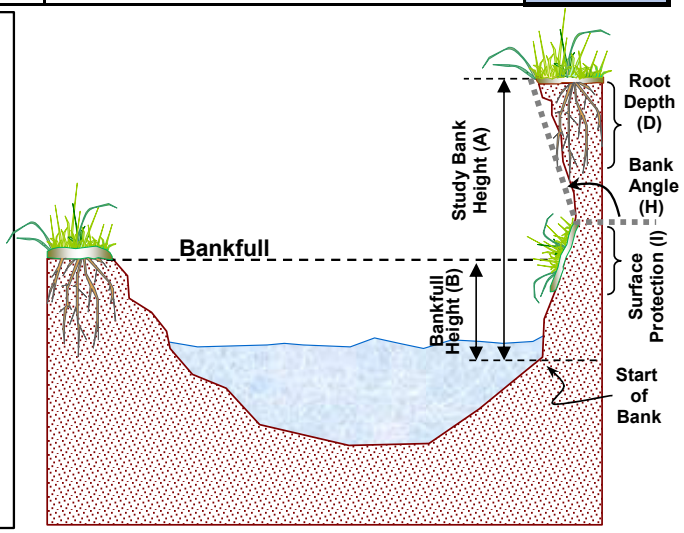
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **27.5**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 306, SCC**
Station:	**Transect 048**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.96 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.51 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**24.96 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as % =			**60.00 (F)**	(F) x (E) =	**2.40385 (G)**	**9.6**
Bank Angle (H)						
Bank Angle as *Degrees* =					**45 (H)**	**3.0**
Surface Protection (I)						
Surface Protection as % =					**40% (I)**	**5.0**

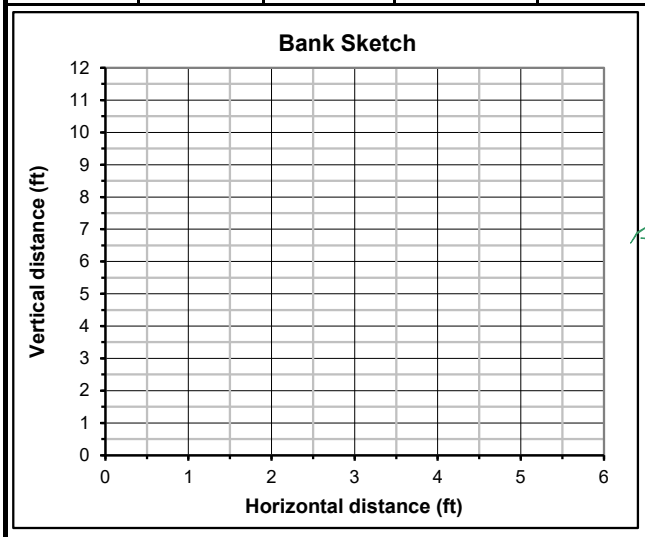
Bank Material Adjustment:

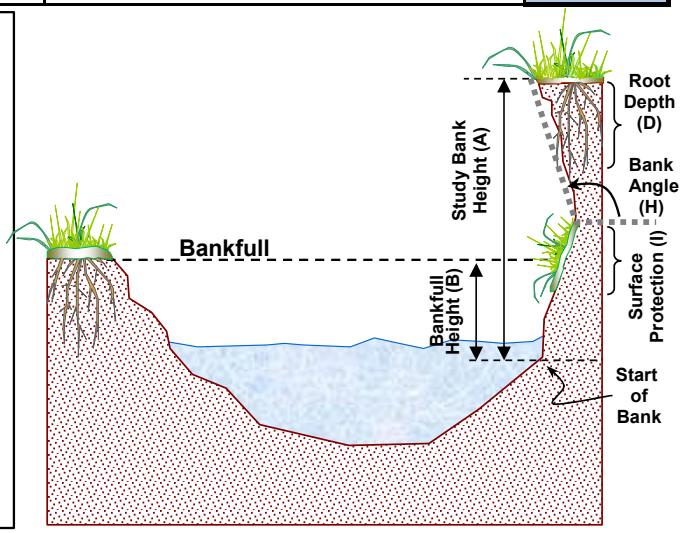
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **30.2**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307,SCC**
Station:	**Transect 049**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.46 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.56 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**25.46 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as **%** =			**50.00 (F)**	(F) x (E) =	**5.89159 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =			**45 (H)**			**3.0**
Surface Protection (I)						
Surface Protection as **%** =			**45% (I)**			**4.5**

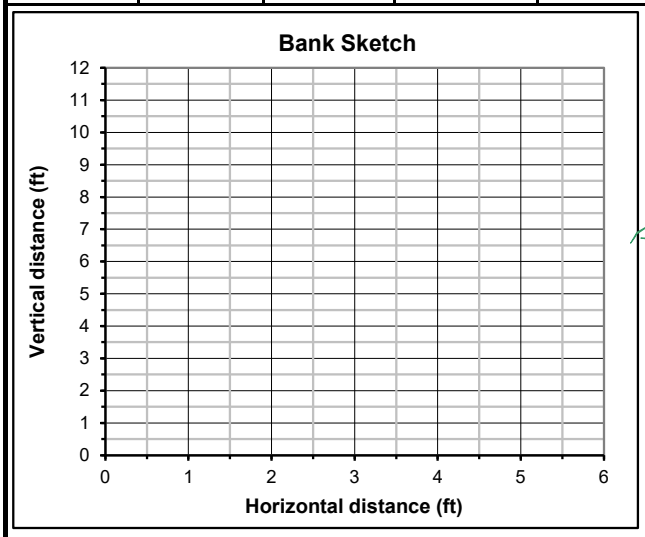
Bank Material Adjustment:

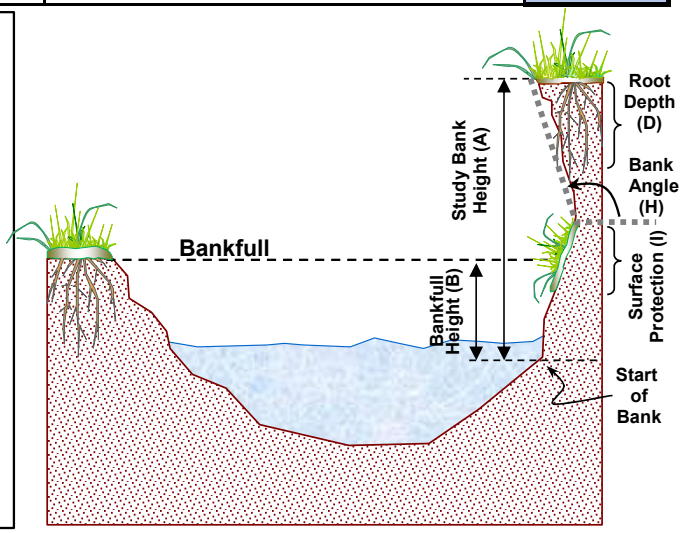
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**
						Moderate 28.9





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307, SCC**
Station:	**Transect 050**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.50 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**24.86 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**3.01689 (G)**	**9.5**
Bank Angle (H)						
Bank Angle as *Degrees* =					**40 (H)**	**2.8**
Surface Protection (I)						
Surface Protection as **%** =					**65% (I)**	**3.3**

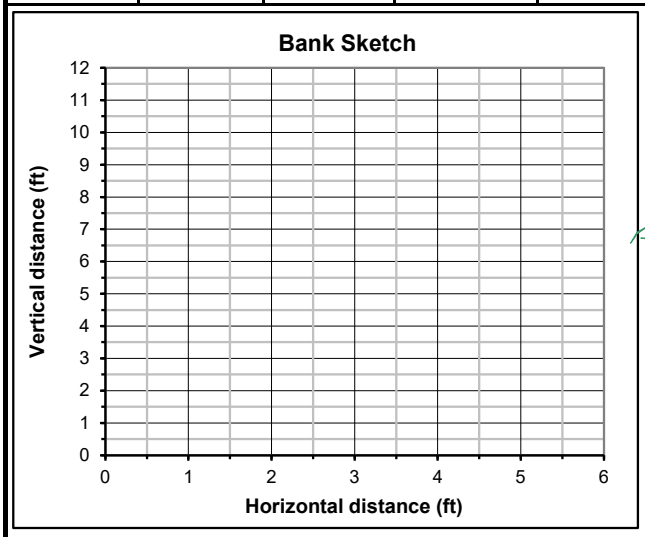
Bank Material Adjustment:

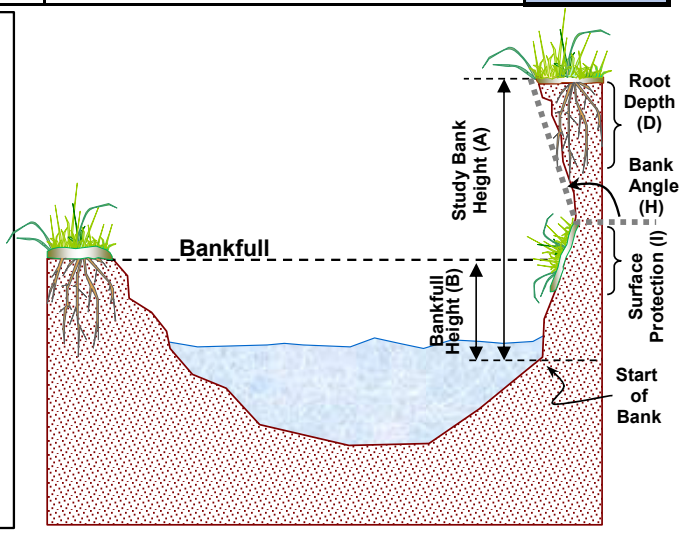
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **28.0**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307, Port**
Station:	**Transect 051**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

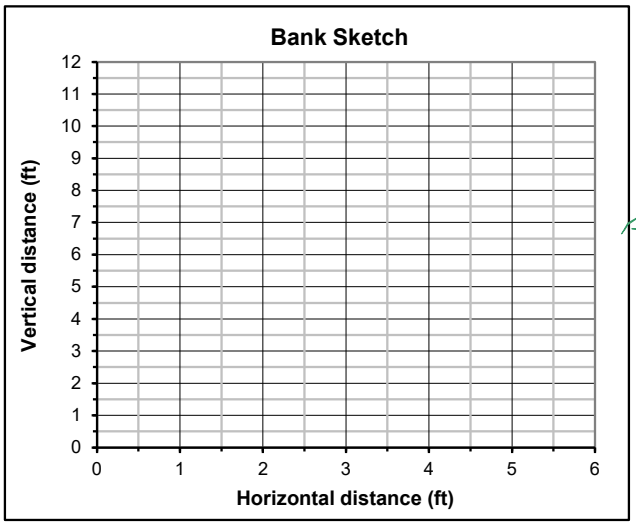
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.50 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**24.86 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as **%** =			**50.00 (F)**	(F) x (E) =	**6.03379 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =					**40 (H)**	**2.8**
Surface Protection (I)						
Surface Protection as **%** =					**70% (I)**	**2.8**

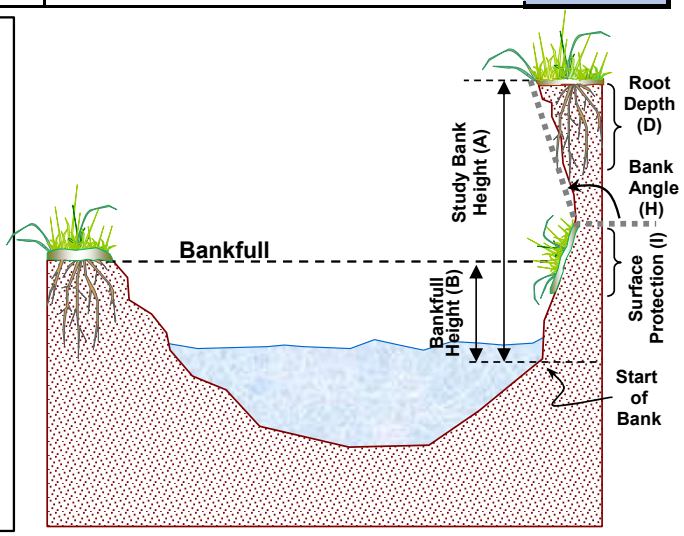
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **21.8**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307, Port**
Station:	**Transect 052**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.53 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**25.16 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as **%** =			**50.00 (F)**	(F) x (E) =	**5.96184 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =			**40 (H)**			**2.8**
Surface Protection (I)						
Surface Protection as **%** =			**50% (I)**			**4.2**

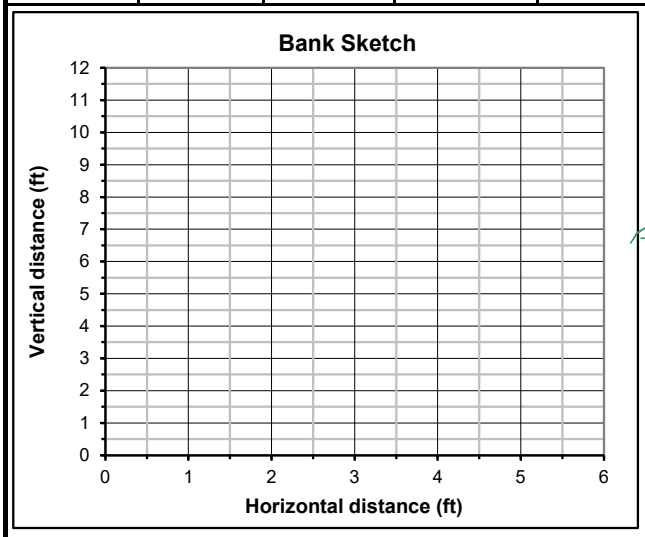
Bank Material Adjustment:

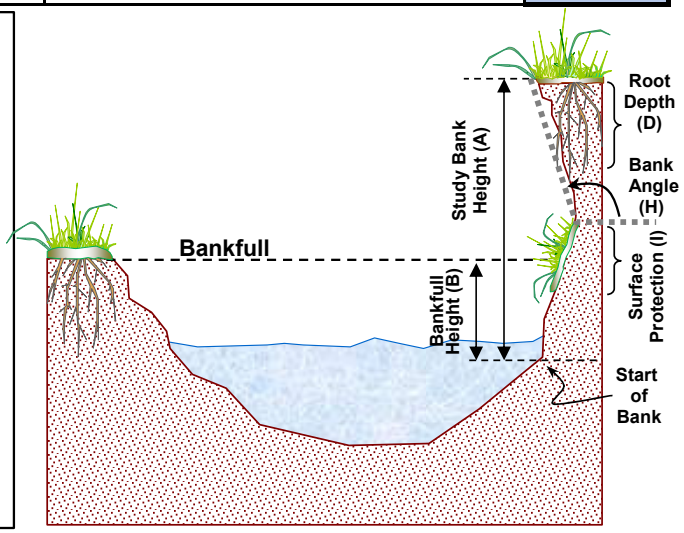
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **23.4**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307, Port**
Station:	**Transect 053**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.46 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.46 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**24.46 (A)**	(D) / (A) =	**0.41 (E)**	**4.7**
Weighted Root Density (G)						
Root Density as **%** =	**75.00 (F)**			(F) x (E) =	**30.6623 (G)**	**6.0**
Bank Angle (H)						
Bank Angle as *Degrees* =	**48 (H)**					**3.4**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

Bank Material Adjustment:

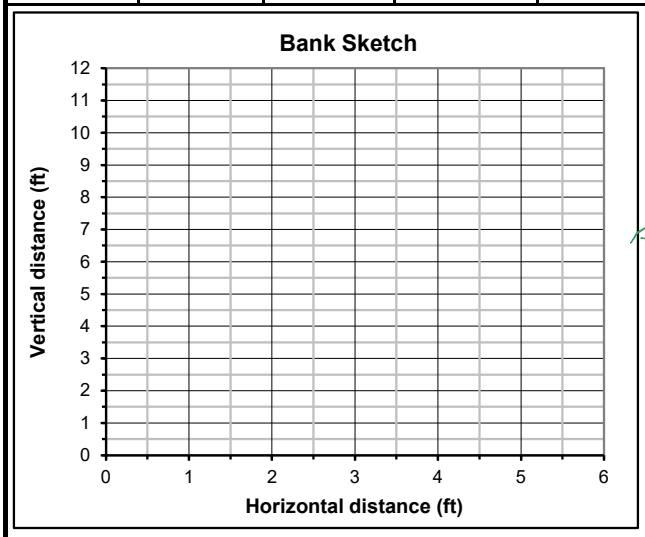
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

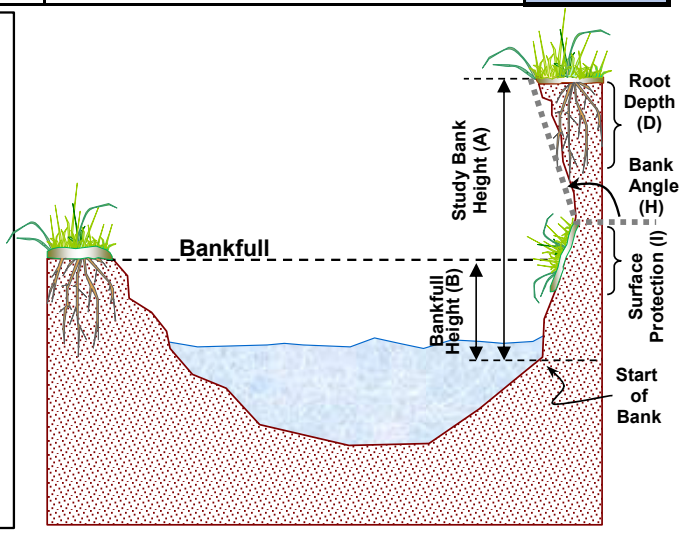
Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Low **13.6**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307, Port**
Station:	**Transect 054**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.49 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**24.76 (A)**	(D) / (A) =	**0.40 (E)**	**4.7**
Weighted Root Density (G)						
Root Density as **%** =	**75.00 (F)**			(F) x (E) =	**30.2908 (G)**	**5.9**
Bank Angle (H)						
Bank Angle as *Degrees* =	**48 (H)**					**3.4**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**1.0**

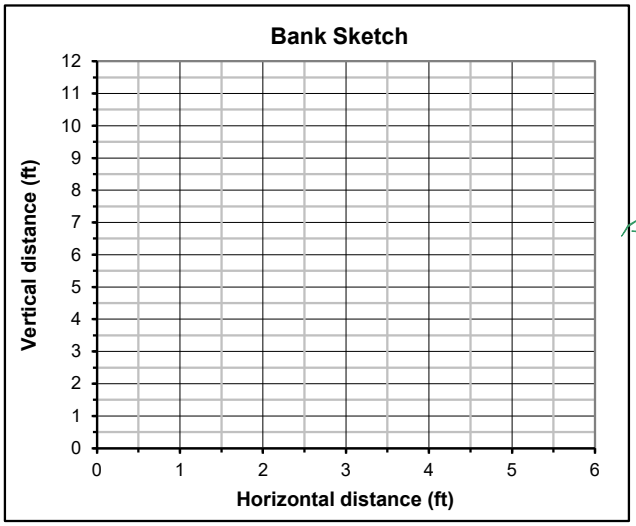
Bank Material Adjustment:

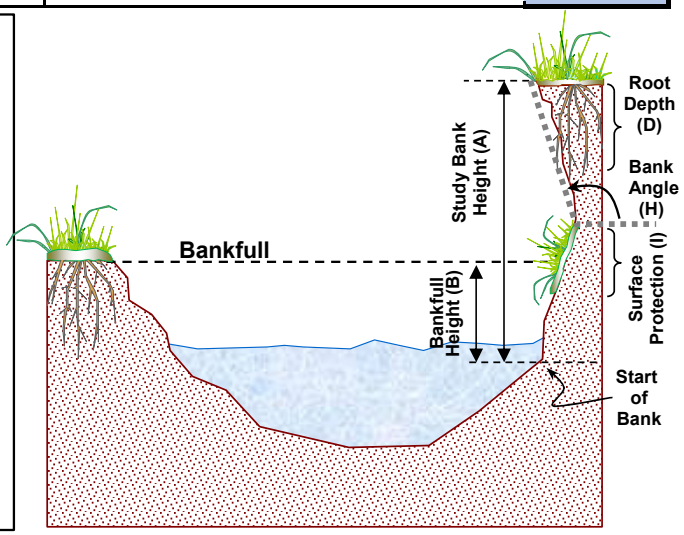
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Low** / **13.5**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307, Port**
Station:	**Transect 055**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.49 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**2.00 (D)**	**Study Bank Height** (ft) =	**24.76 (A)**	(D) / (A) =	**0.08 (E)**	**8.6**
Weighted Root Density (G)						
Root Density as % =			**50.00 (F)**	(F) x (E) =	**4.03877 (G)**	**9.3**
Bank Angle (H)						
Bank Angle as *Degrees* =					**40 (H)**	**2.8**
Surface Protection (I)						
Surface Protection as % =					**40% (I)**	**5.0**

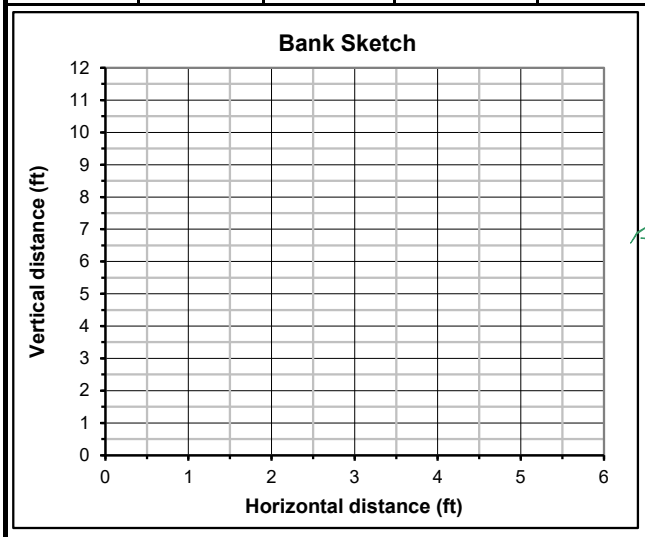
Bank Material Adjustment:

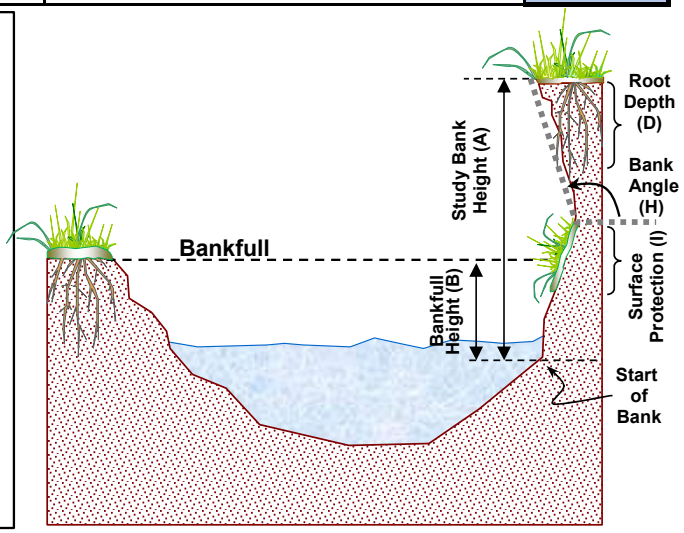
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **24.2**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307, Port**
Station:	**Transect 056**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.54 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**25.26 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as % =	**30.00 (F)**			(F) x (E) =	**1.18765 (G)**	**9.7**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**3.0**
Surface Protection (I)						
Surface Protection as % =	**40% (I)**					**5.0**

Bank Material Adjustment:

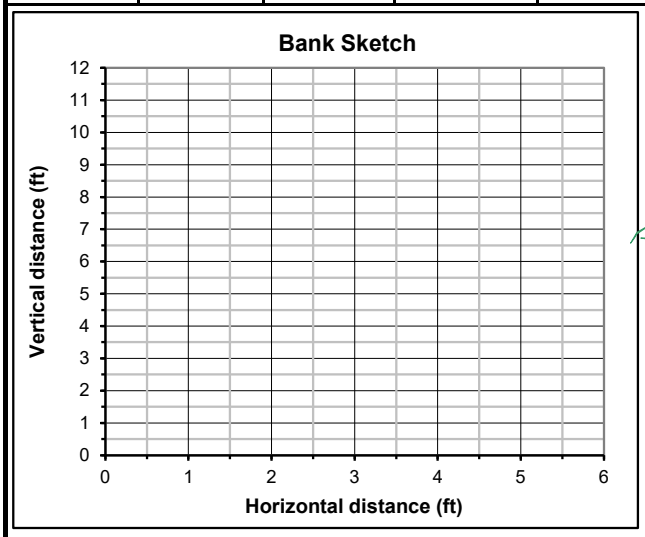
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

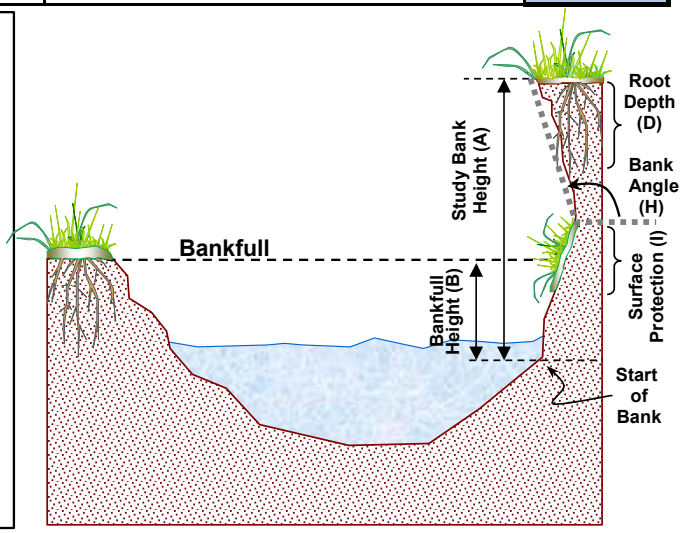
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Moderate / **25.3**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Berth 307, Port**
Station:	**Transect 057**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

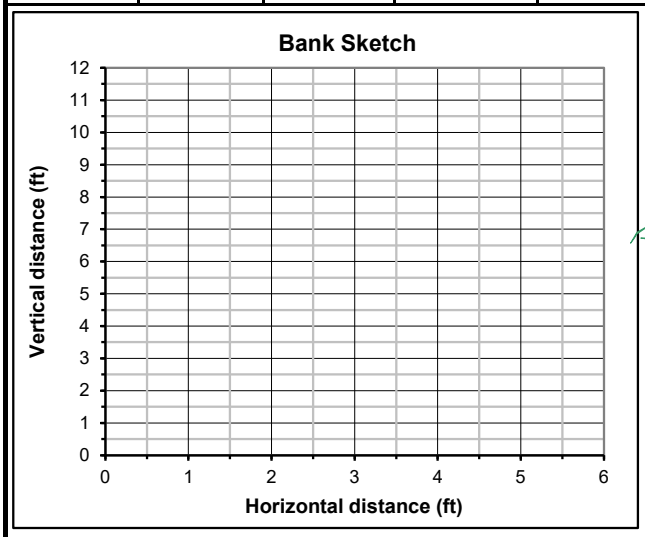
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.06 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.52 (C)**	**8.6**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**25.06 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**30.00 (F)**	(F) x (E) =	**1.19713 (G)**	**9.7**
Bank Angle (H)						
Bank Angle as *Degrees* =			**45 (H)**			**3.0**
Surface Protection (I)						
Surface Protection as **%** =			**40% (I)**			**5.0**

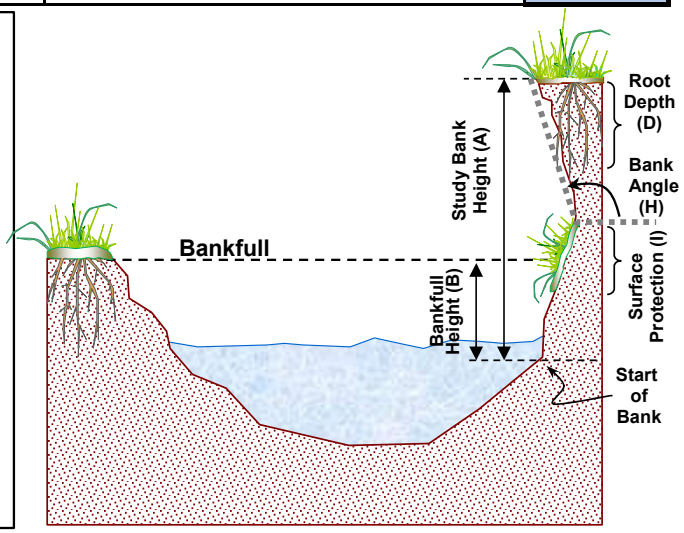
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **25.2**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Freightliner Wind Tunnel**
Station:	**Transect 058**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

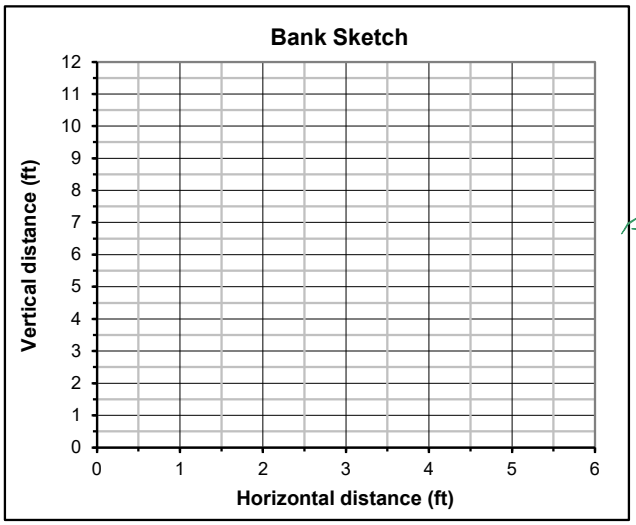
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.55 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**25.36 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**40.00 (F)**	(F) x (E) =	**1.57729 (G)**	**9.7**
Bank Angle (H)						
Bank Angle as *Degrees* =			**45 (H)**			**3.0**
Surface Protection (I)						
Surface Protection as **%** =			**35% (I)**			**5.5**

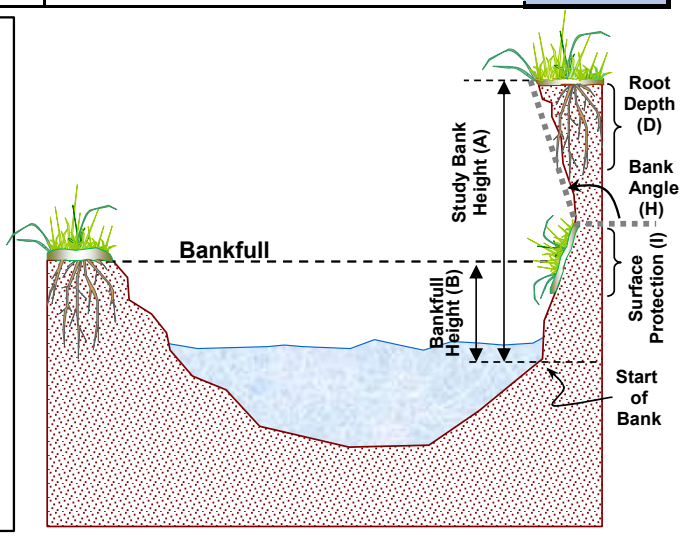
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **25.8**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Freightliner Wind Tunnel**
Station:	**Transect 059**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.56 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.57 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**25.56 (A)**	(D) / (A) =	**0.20 (E)**	**7.2**
Weighted Root Density (G)						
Root Density as **%** =			**45.00 (F)**	(F) x (E) =	**8.80282 (G)**	**8.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**50 (H)**	**3.4**
Surface Protection (I)						
Surface Protection as **%** =					**75% (I)**	**2.3**

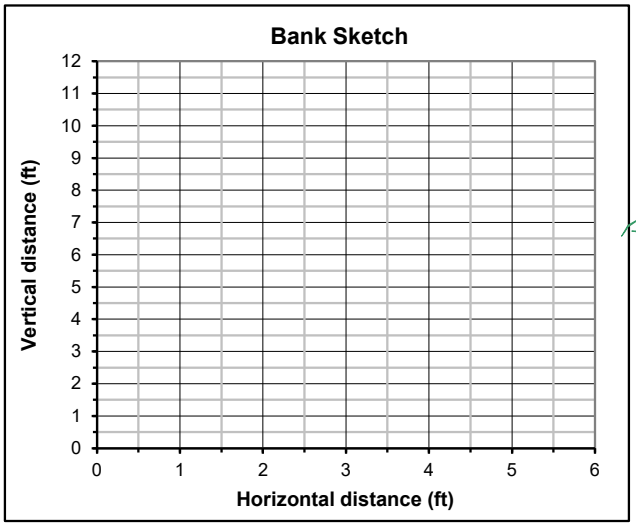
Bank Material Adjustment:

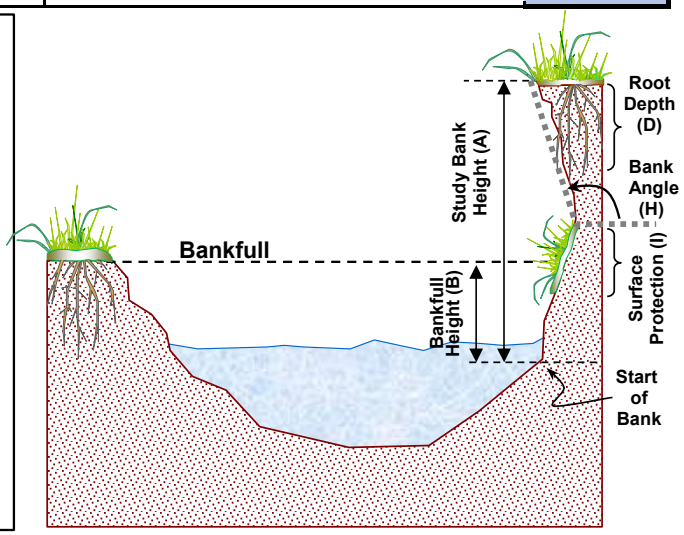
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **25.4**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Freightliner Wind Tunnel**
Station:	**Transect 060**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.65 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**26.36 (A)**	(D) / (A) =	**0.11 (E)**	**8.4**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**8.53566 (G)**	**8.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**50 (H)**	**3.4**
Surface Protection (I)						
Surface Protection as **%** =					**50% (I)**	**4.2**

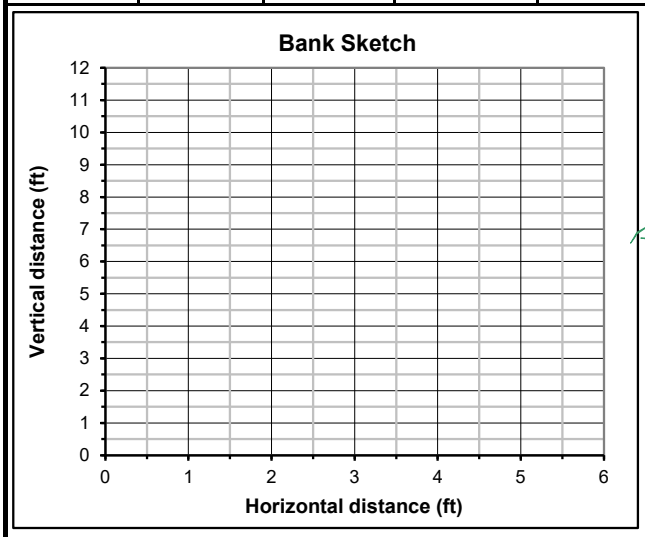
Bank Material Adjustment:

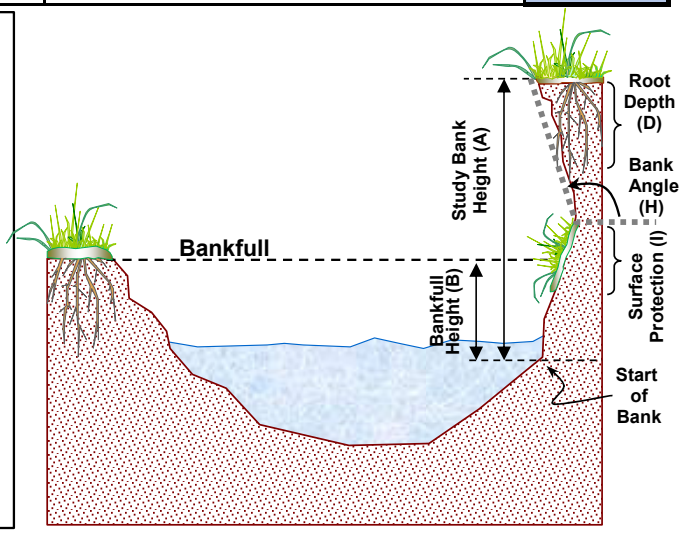
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** **28.5**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Freightliner Wind Tunnel**
Station:	**Transect 061**	Observers:	**ORBIS, BWG, MM**
Date:	**2/15/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.96 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.51 (C)**	**8.6**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**24.96 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**3.00481 (G)**	**9.5**
Bank Angle (H)						
Bank Angle as *Degrees* =					**42 (H)**	**3.0**
Surface Protection (I)						
Surface Protection as **%** =					**85% (I)**	**1.3**

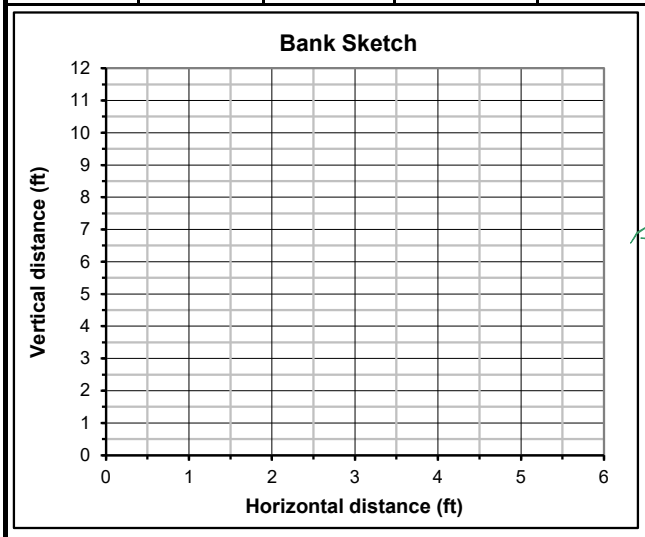
Bank Material Adjustment:

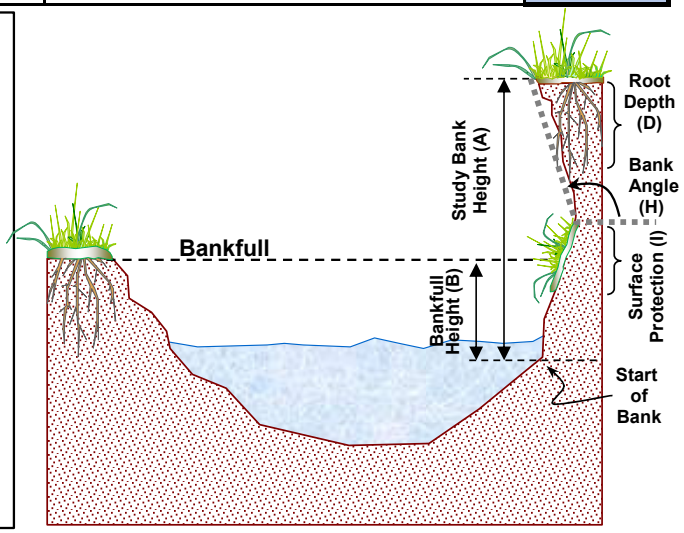
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **21.3**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Anchor Park LLC**
Station:	**Transect 062**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.65 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**26.36 (A)**	(D) / (A) =	**0.38 (E)**	**4.8**
Weighted Root Density (G)						
Root Density as **%** =	**95.00 (F)**			(F) x (E) =	**36.0395 (G)**	**5.2**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**3.0**
Surface Protection (I)						
Surface Protection as **%** =	**95% (I)**					**0.5**

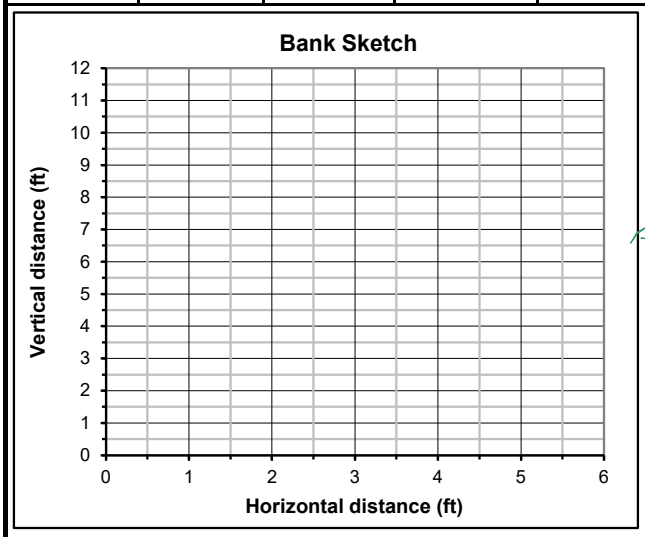
Bank Material Adjustment:

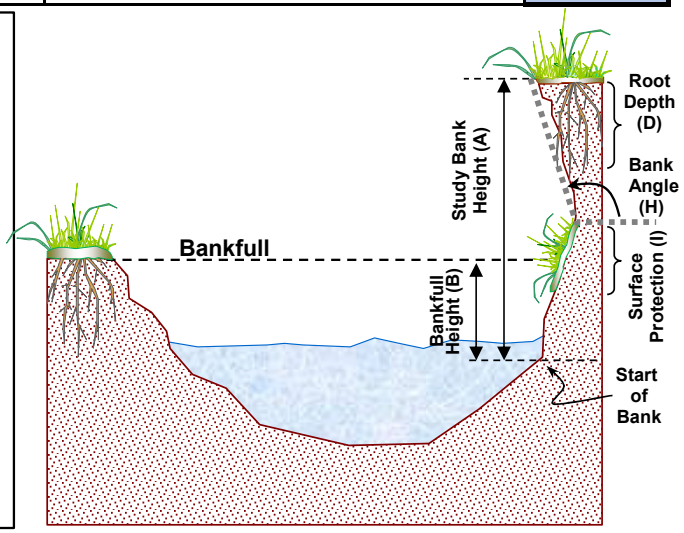
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **22.2**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Anchor Park LLC**
Station:	**Transect 063**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.63 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**26.16 (A)**	(D) / (A) =	**0.38 (E)**	**4.8**
Weighted Root Density (G)						
Root Density as **%** =	**95.00 (F)**			(F) x (E) =	**36.315 (G)**	**5.2**
Bank Angle (H)						
Bank Angle as *Degrees* =	**45 (H)**					**3.0**
Surface Protection (I)						
Surface Protection as **%** =	**85% (I)**					**1.3**

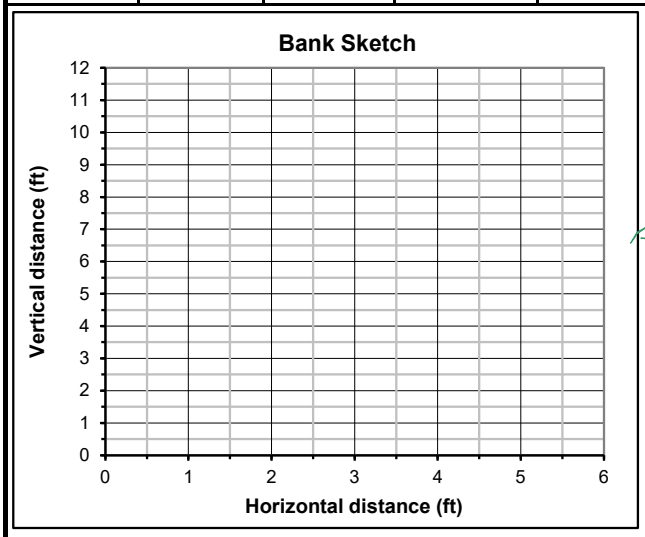
Bank Material Adjustment:

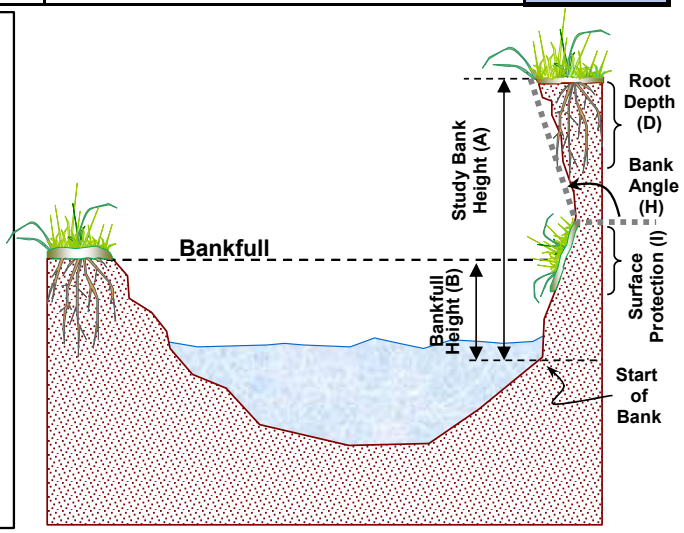
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **23.0**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Anchor Park LLC**
Station:	**Transect 064**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

							BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)							
Study Bank Height (ft) =	**25.66** (A)	**Bankfull Height** (ft) =	**9.94** (B)	(A) / (B) =	**2.58** (C)		**8.7**
Root Depth to Study Bank Height (E)							
Root Depth (ft) =	**5.00** (D)	**Study Bank Height** (ft) =	**25.66** (A)	(D) / (A) =	**0.19** (E)		**7.4**
Weighted Root Density (G)							
Root Density as **%** =			**85.00** (F)	(F) x (E) =	**16.5627** (G)		**7.4**
Bank Angle (H)							
Bank Angle as *Degrees* =			**36** (H)				**2.7**
Surface Protection (I)							
Surface Protection as **%** =			**40%** (I)				**5.0**

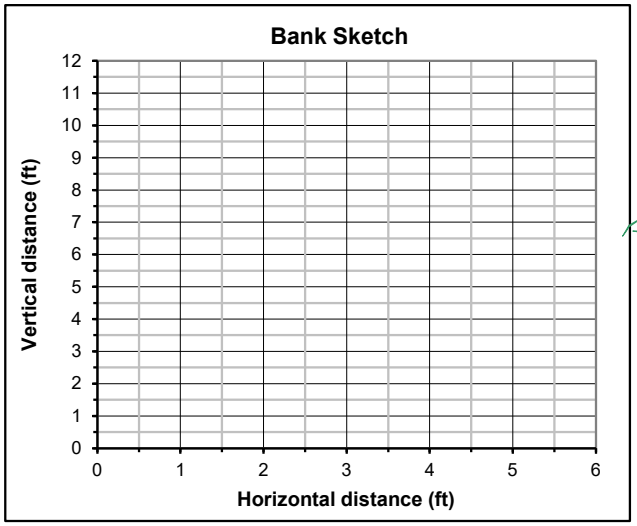
Bank Material Adjustment:

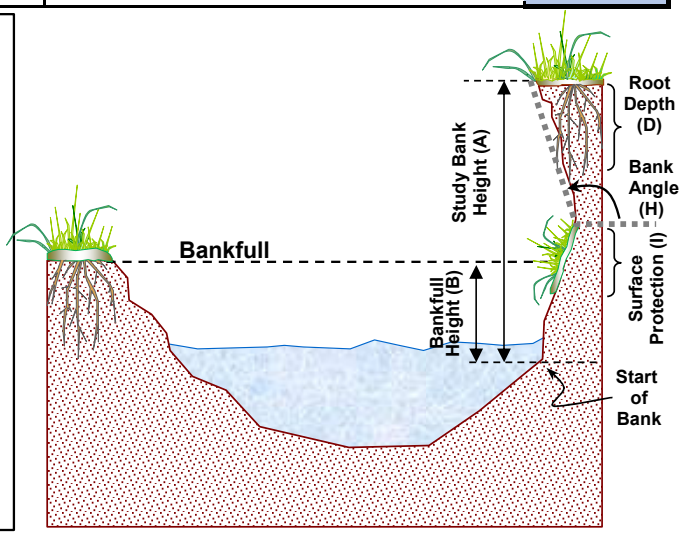
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Very High** / **41.2**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**City of Portland**
Station:	**Transect 065**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.34 (C)**	**8.4**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**23.26 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**55.00 (F)**	(F) x (E) =	**2.36457 (G)**	**9.6**
Bank Angle (H)						
Bank Angle as *Degrees* =			**32 (H)**			**2.5**
Surface Protection (I)						
Surface Protection as **%** =			**55% (I)**			**3.8**

Bank Material Adjustment:

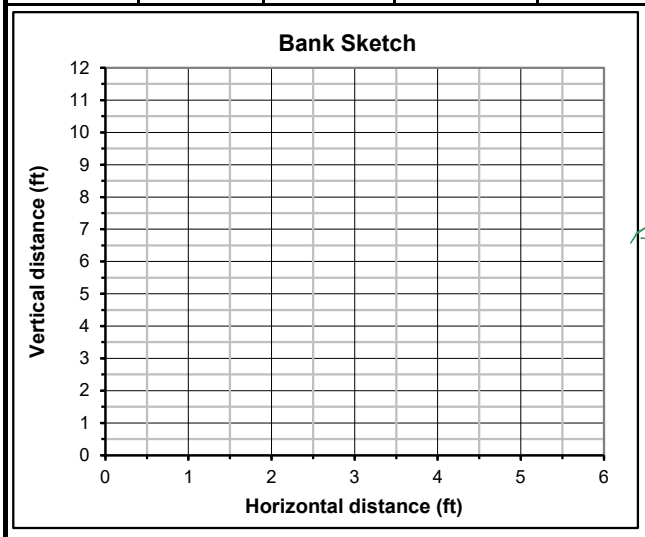
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

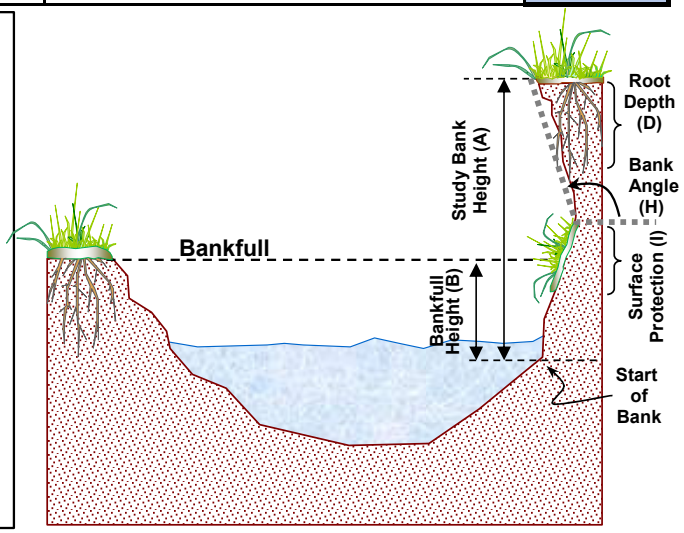
Bank Material Adjustment: **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Very High / **43.2**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**City of Portland**
Station:	**Transect 066**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

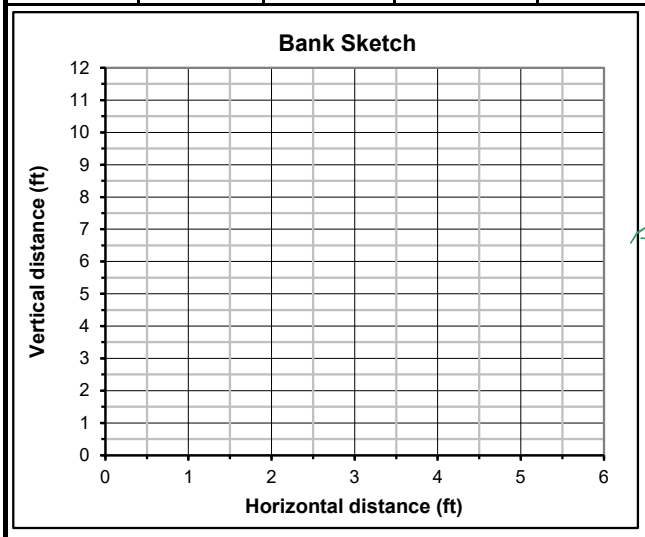
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**20.56 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.07 (C)**	**8.0**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**20.56 (A)**	(D) / (A) =	**0.15 (E)**	**7.8**
Weighted Root Density (G)						
Root Density as % =			**50.00 (F)**	(F) x (E) =	**7.29572 (G)**	**8.9**
Bank Angle (H)						
Bank Angle as *Degrees* =					**32 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as % =					**40% (I)**	**5.0**

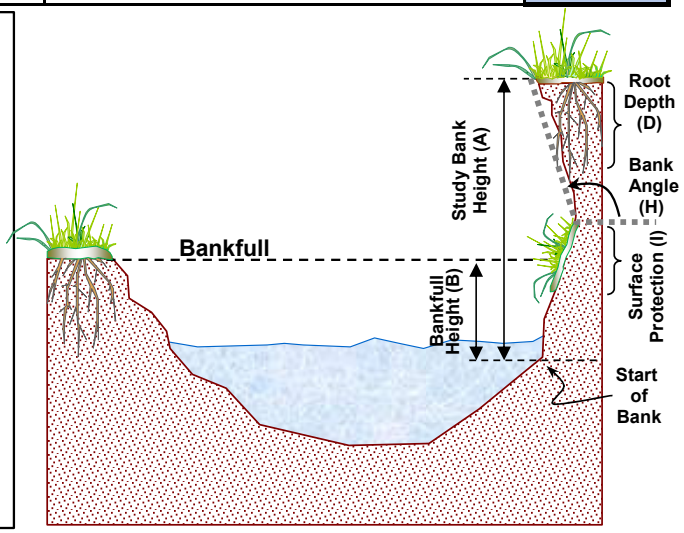
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score** → **Very High** / **42.2**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**City of Portland**
Station:	**Transect 067**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.15 (C)**	**8.2**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**21.36 (A)**	(D) / (A) =	**0.05 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**40.00 (F)**	(F) x (E) =	**1.87266 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =			**27 (H)**			**2.3**
Surface Protection (I)						
Surface Protection as **%** =			**20% (I)**			**7.1**

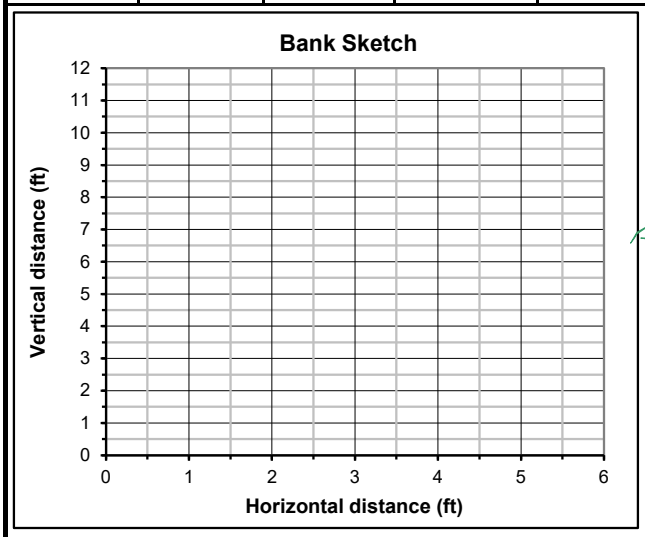
Bank Material Adjustment:

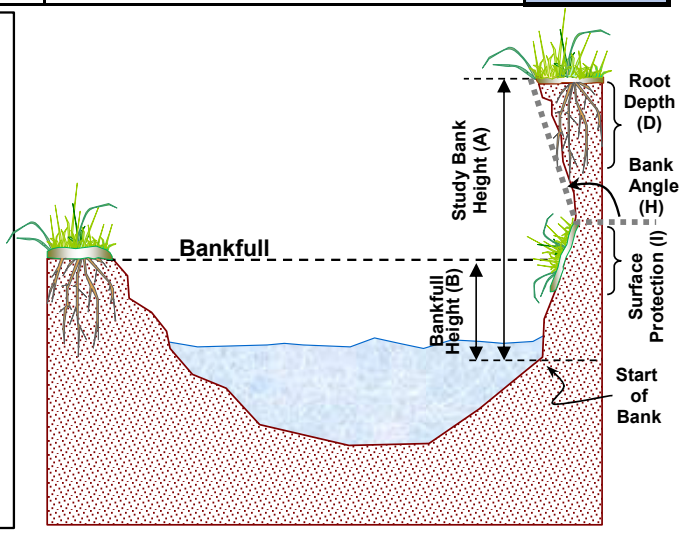
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Extreme** **46.3**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**City of Portland**
Station:	**Transect 068**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**20.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.10 (C)**	**8.2**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**20.86 (A)**	(D) / (A) =	**0.14 (E)**	**7.7**
Weighted Root Density (G)						
Root Density as % =			**20.00 (F)**	(F) x (E) =	**2.87632 (G)**	**9.7**
Bank Angle (H)						
Bank Angle as *Degrees* =					**30 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as % =					**30% (I)**	**5.8**

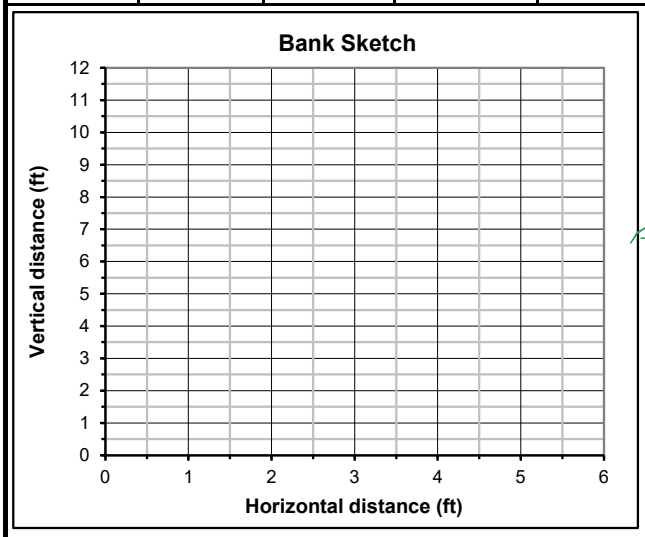
Bank Material Adjustment:

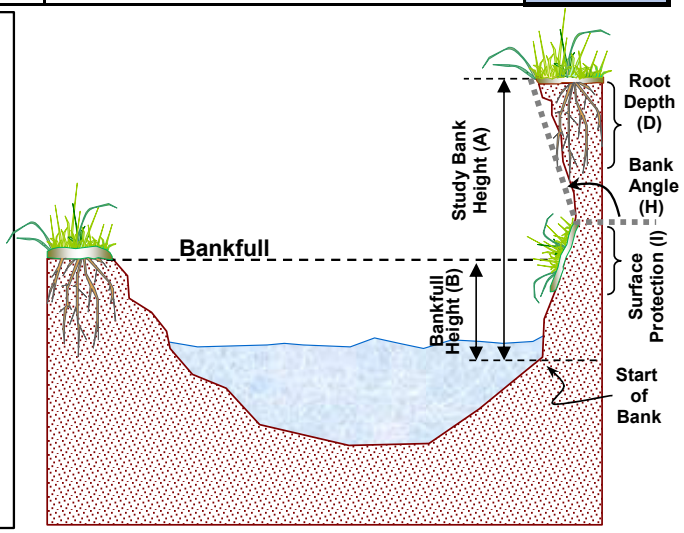
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Very High** / **43.9**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**City of Portland**
Station:	**Transect 069**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**20.56 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.07 (C)**	**8.1**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**20.56 (A)**	(D) / (A) =	**0.15 (E)**	**7.8**
Weighted Root Density (G)						
Root Density as % =			**35.00 (F)**	(F) x (E) =	**5.107 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =					**32 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as % =					**30% (I)**	**5.8**

Bank Material Adjustment:

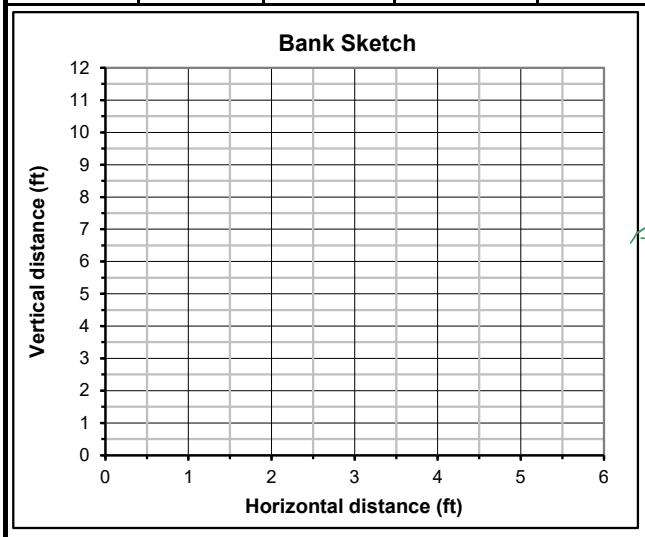
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

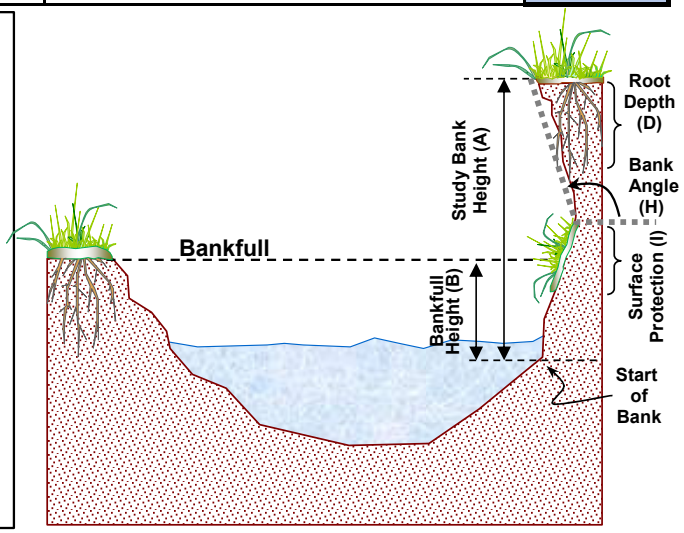
Bank Material Adjustment: **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating and Total Score**

Very High
43.6





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**City of Portland**
Station:	**Transect 070**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.20 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**21.86 (A)**	(D) / (A) =	**0.14 (E)**	**7.7**
Weighted Root Density (G)						
Root Density as % =		**50.00 (F)**		(F) x (E) =	**6.86185 (G)**	**9.2**
Bank Angle (H)						
Bank Angle as *Degrees* =					**20 (H)**	**1.9**
Surface Protection (I)						
Surface Protection as % =					**50% (I)**	**4.2**

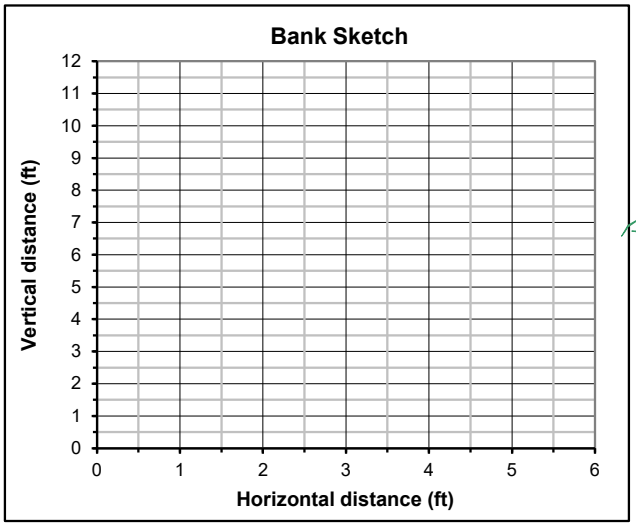
Bank Material Adjustment:

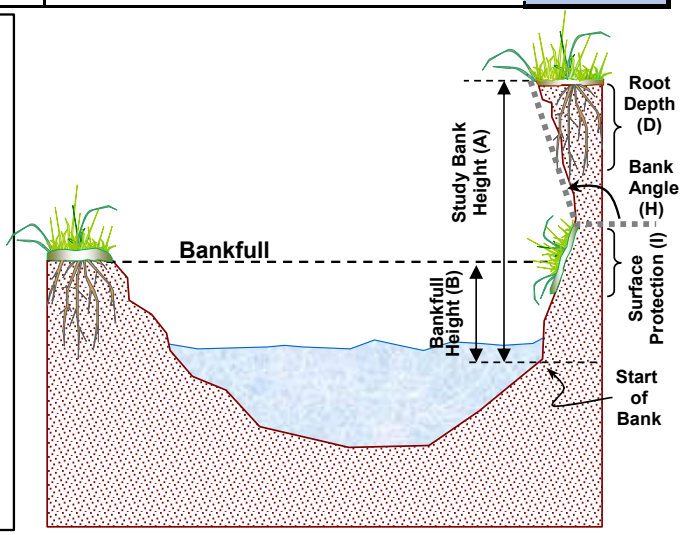
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **21.3**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 071**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.66 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.18 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**21.66 (A)**	(D) / (A) =	**0.46 (E)**	**4.3**
Weighted Root Density (G)						
Root Density as % =	**30.00 (F)**	(F) x (E) =	**13.8504 (G)**			**7.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**24 (H)**					**2.2**
Surface Protection (I)						
Surface Protection as % =	**20% (I)**					**7.1**

Bank Material Adjustment:

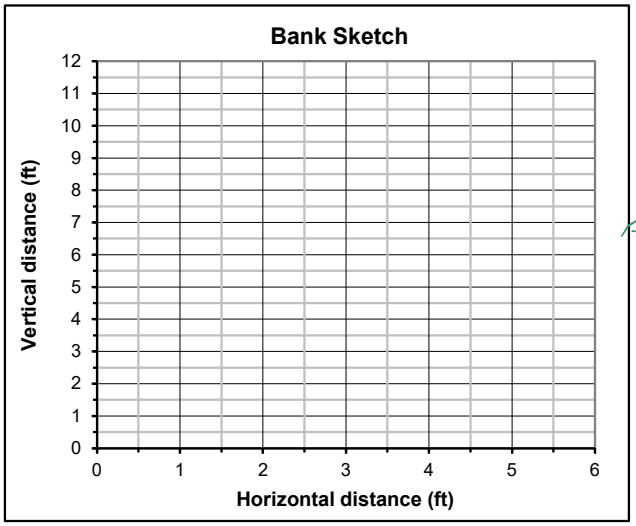
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

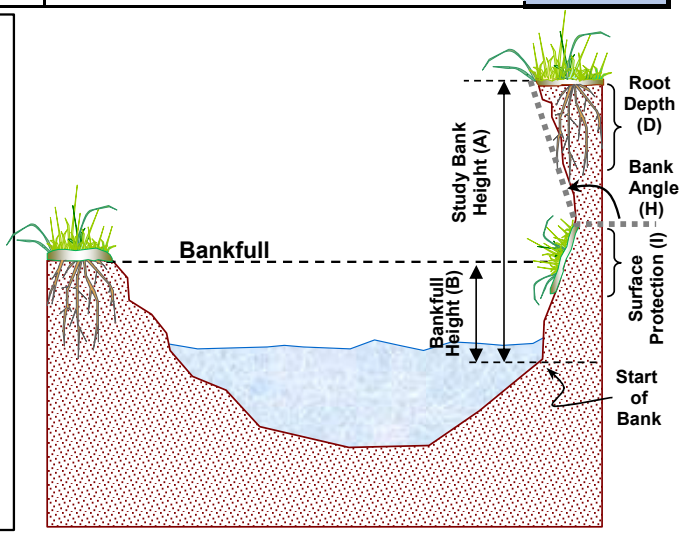
Bank Material Adjustment: **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50

Adjective Rating and Total Score: **Very High** / **39.7**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 072**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

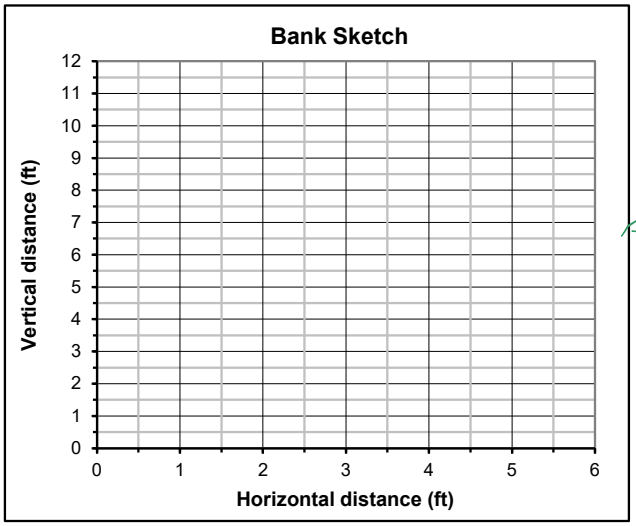
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.46 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.46 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**24.46 (A)**	(D) / (A) =	**0.41 (E)**	**4.7**
Weighted Root Density (G)						
Root Density as **%** =			**50.00 (F)**	(F) x (E) =	**20.4415 (G)**	**7.1**
Bank Angle (H)						
Bank Angle as *Degrees* =			**28 (H)**			**2.3**
Surface Protection (I)						
Surface Protection as **%** =			**30% (I)**			**5.8**

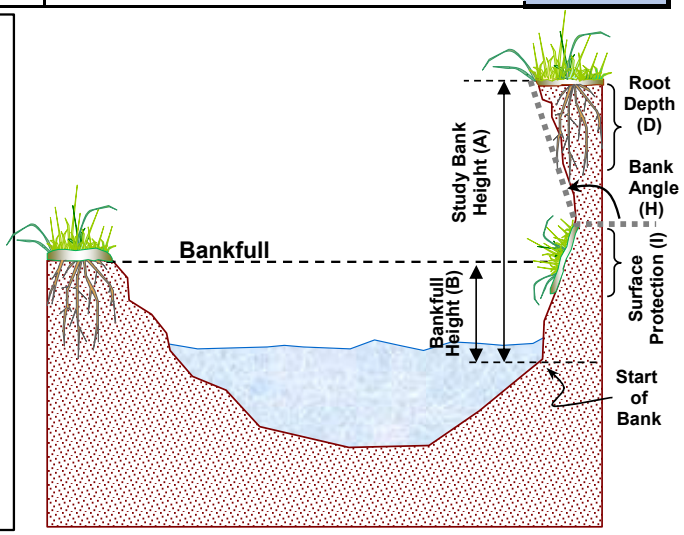
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score** → **High** / **38.4**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 073**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.39 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**23.76 (A)**	(D) / (A) =	**0.42 (E)**	**4.7**
Weighted Root Density (G)						
Root Density as **%** =			**70.00 (F)**	(F) x (E) =	**29.4613 (G)**	**6.2**
Bank Angle (H)						
Bank Angle as *Degrees* =					**28 (H)**	**2.3**
Surface Protection (I)						
Surface Protection as **%** =					**50% (I)**	**4.2**

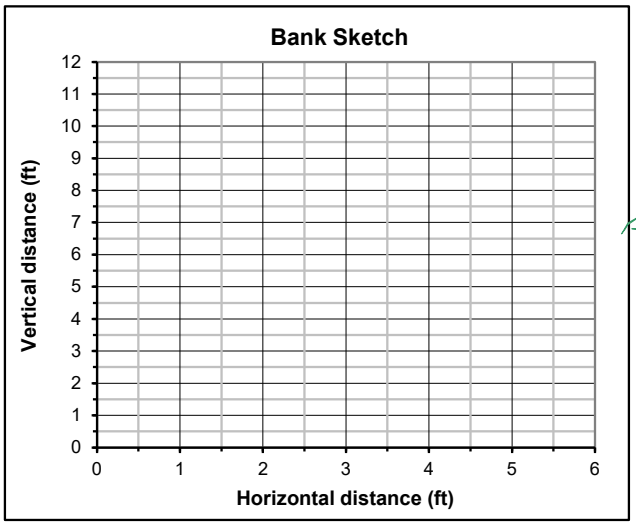
Bank Material Adjustment:

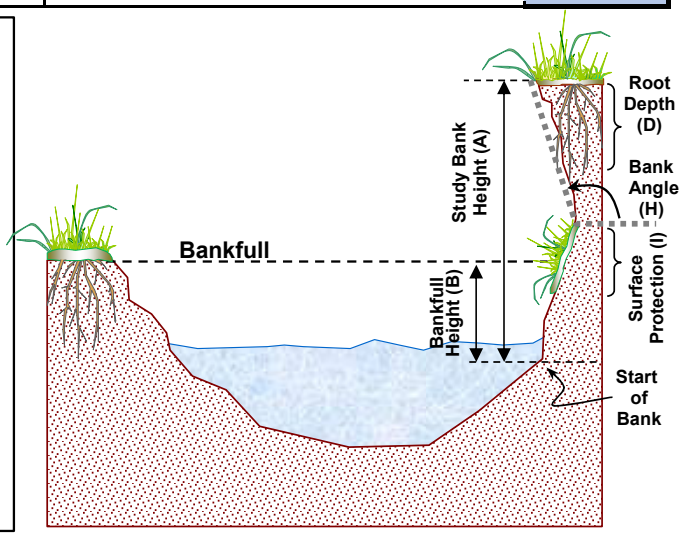
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **35.9**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 074**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.39 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**23.76 (A)**	(D) / (A) =	**0.42 (E)**	**4.7**
Weighted Root Density (G)						
Root Density as **%** =			**70.00 (F)**	(F) x (E) =	**29.4613 (G)**	**6.2**
Bank Angle (H)						
Bank Angle as *Degrees* =			**28 (H)**			**2.3**
Surface Protection (I)						
Surface Protection as **%** =			**50% (I)**			**4.2**

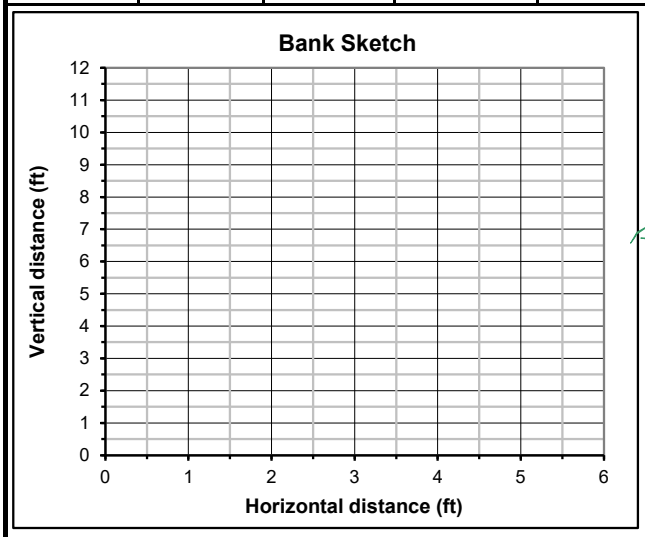
Bank Material Adjustment:

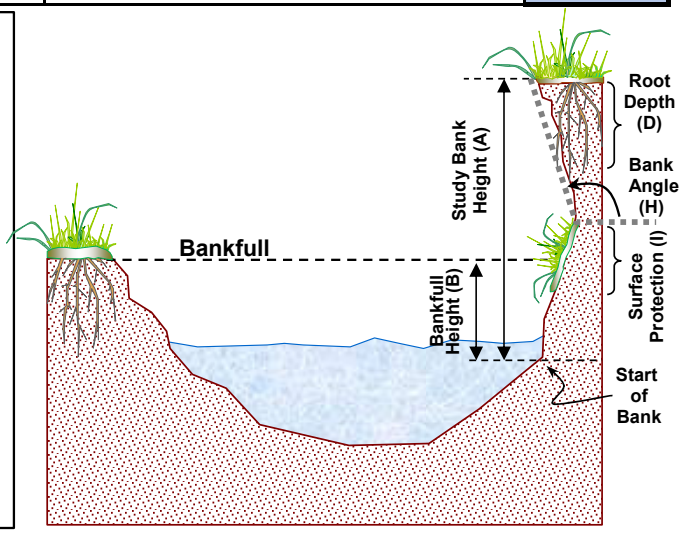
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**
						High / **35.9**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 075**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**22.56 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.27 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**22.56 (A)**	(D) / (A) =	**0.44 (E)**	**4.6**
Weighted Root Density (G)						
Root Density as **%** =			**85.00 (F)**	(F) x (E) =	**37.6773 (G)**	**5.2**
Bank Angle (H)						
Bank Angle as *Degrees* =			**28 (H)**			**2.3**
Surface Protection (I)						
Surface Protection as **%** =			**60% (I)**			**3.5**

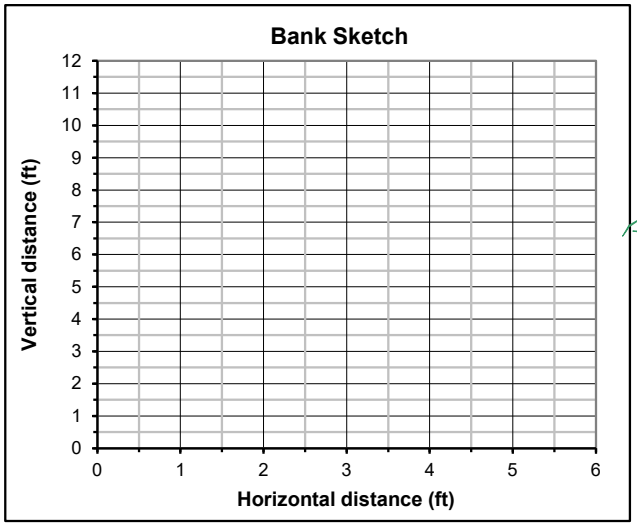
Bank Material Adjustment:

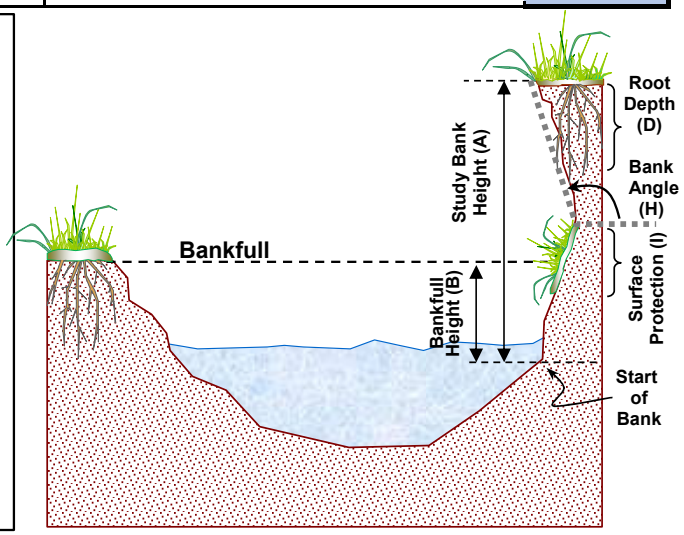
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **33.9**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 076**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**22.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.29 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**22.76 (A)**	(D) / (A) =	**0.44 (E)**	**4.6**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**32.9525 (G)**	**5.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**28 (H)**	**2.3**
Surface Protection (I)						
Surface Protection as **%** =					**65% (I)**	**3.3**

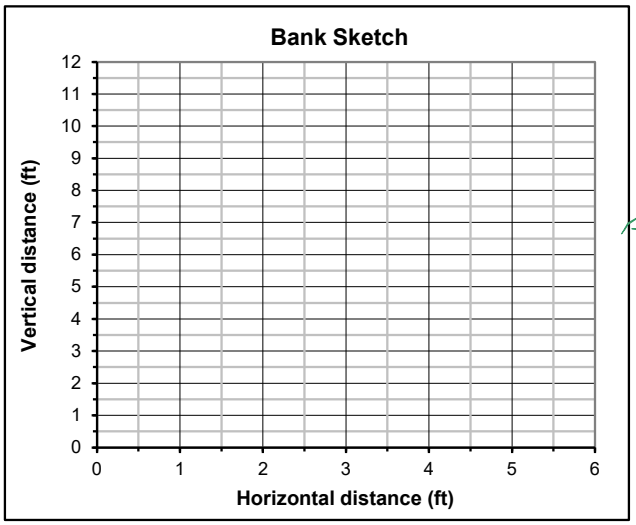
Bank Material Adjustment:

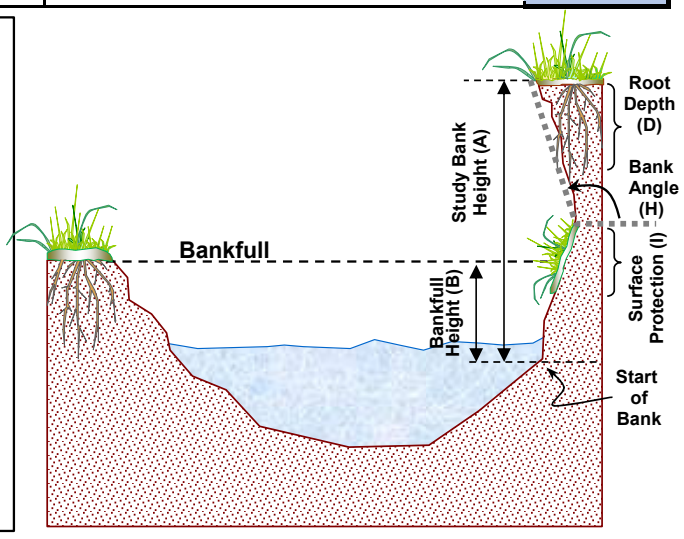
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **34.3**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 077**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.43 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**24.16 (A)**	(D) / (A) =	**0.41 (E)**	**4.7**
Weighted Root Density (G)						
Root Density as % =	**75.00 (F)**			(F) x (E) =	**31.043 (G)**	**5.9**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as % =	**80% (I)**					**1.8**

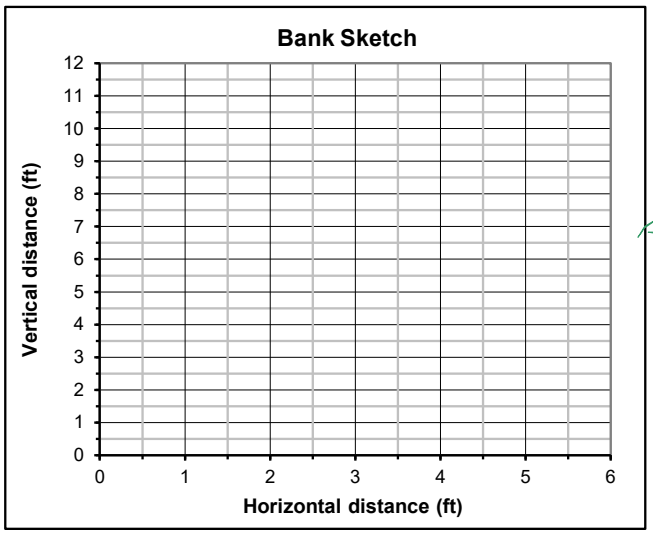
Bank Material Adjustment:

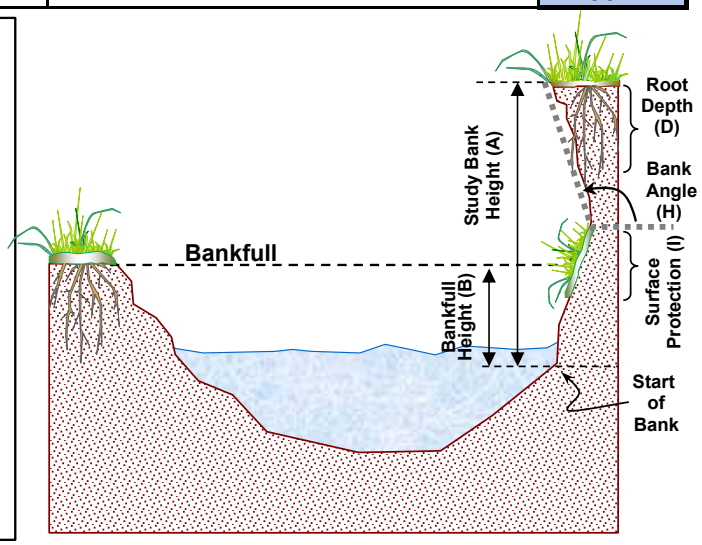
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**High** / **33.4**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Company**
Station:	**Transect 078**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

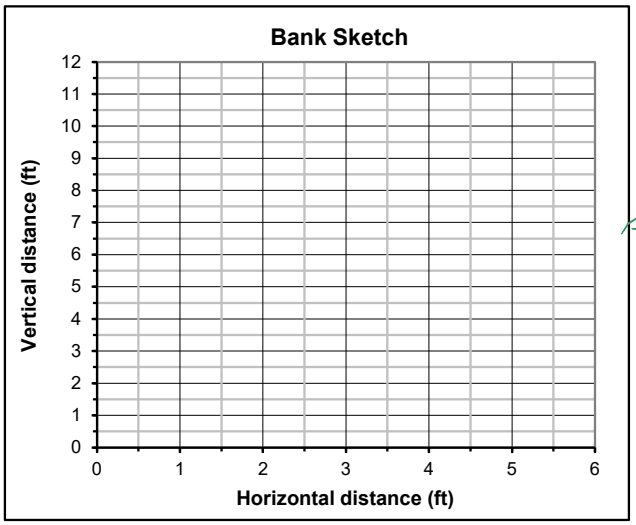
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**22.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.24 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**22.26 (A)**	(D) / (A) =	**0.45 (E)**	**4.3**
Weighted Root Density (G)						
Root Density as **%** =	**75.00 (F)**			(F) x (E) =	**33.6927 (G)**	**5.6**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**65% (I)**					**3.3**

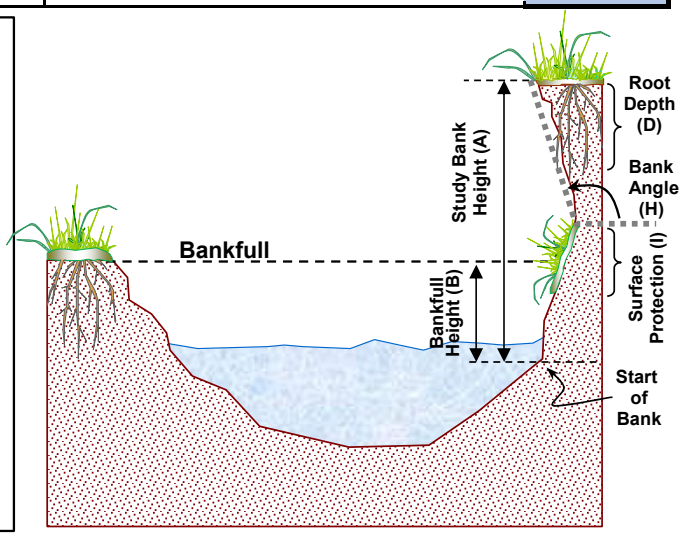
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **34.0**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 079**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

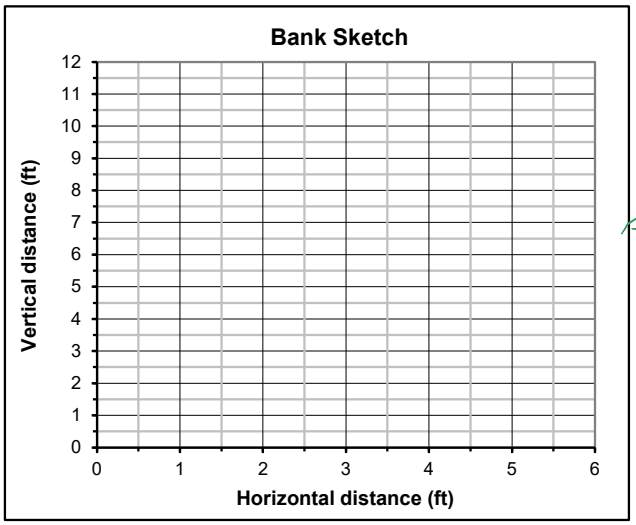
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.34 (C)**	**8.4**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**23.26 (A)**	(D) / (A) =	**0.43 (E)**	**4.4**
Weighted Root Density (G)						
Root Density as **%** =	**75.00 (F)**			(F) x (E) =	**32.2442 (G)**	**5.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**65% (I)**					**3.3**

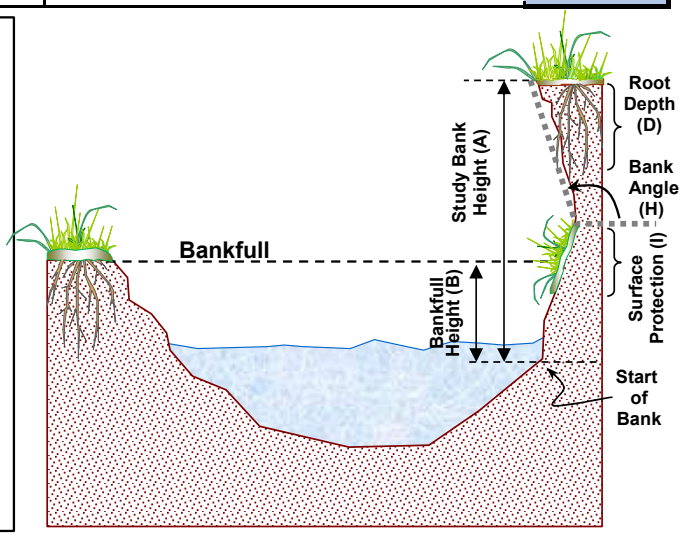
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **34.4**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 080**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.49 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**24.76 (A)**	(D) / (A) =	**0.40 (E)**	**4.7**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**30.2908 (G)**	**5.9**
Bank Angle (H)						
Bank Angle as *Degrees* =			**32 (H)**			**2.5**
Surface Protection (I)						
Surface Protection as **%** =			**65% (I)**			**3.3**

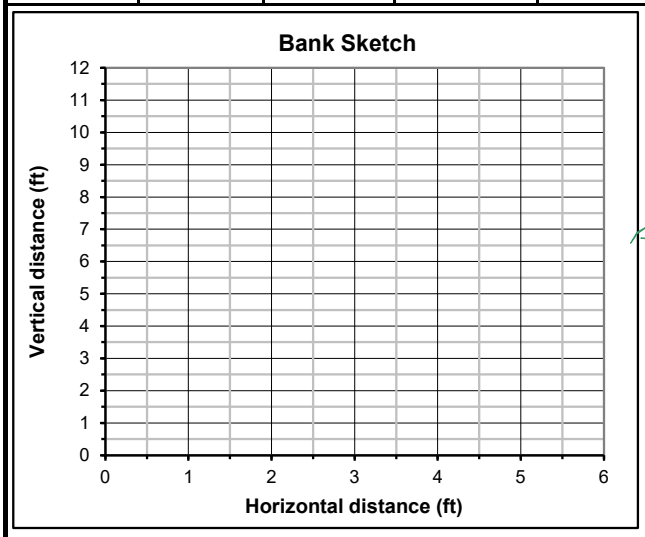
Bank Material Adjustment:

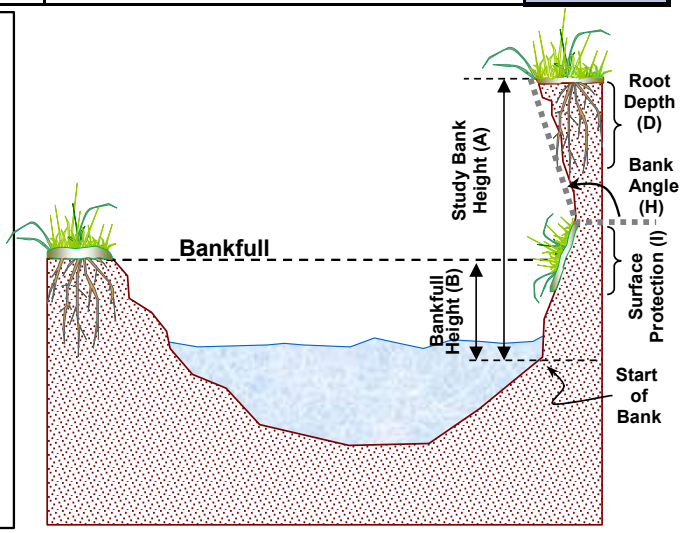
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **24.9**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Lower Terrace, Swan Island Dock Co**
Station:	**Transect 081a**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**16.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**1.65 (C)**	**6.6**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**16.36 (A)**	(D) / (A) =	**0.06 (E)**	**9.0**
Weighted Root Density (G)						
		Root Density as **%** =	**100.00 (F)**	(F) x (E) =	**6.11247 (G)**	**9.3**
Bank Angle (H)						
				Bank Angle as *Degrees* =	**41 (H)**	**3.0**
Surface Protection (I)						
				Surface Protection as **%** =	**85% (I)**	**1.3**

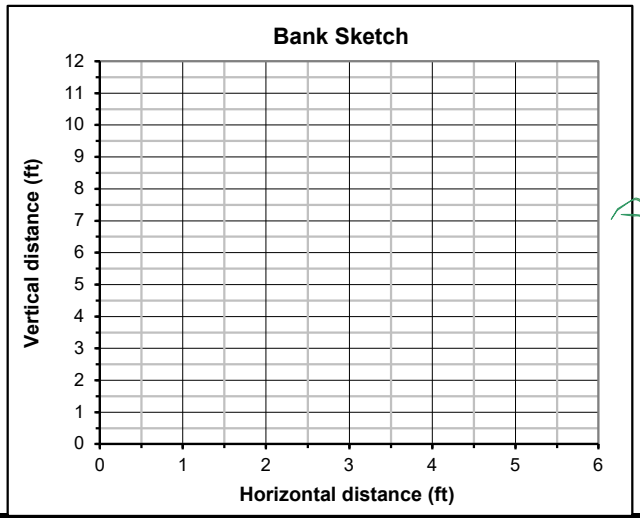
Bank Material Adjustment:

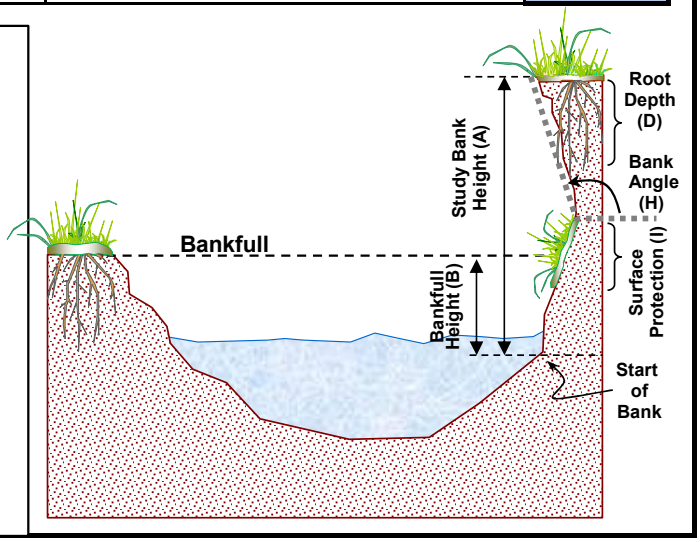
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**
						High / **39.2**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Upper 081 terrace, Swan Island Dock Co**
Station:	**Transect 081b**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

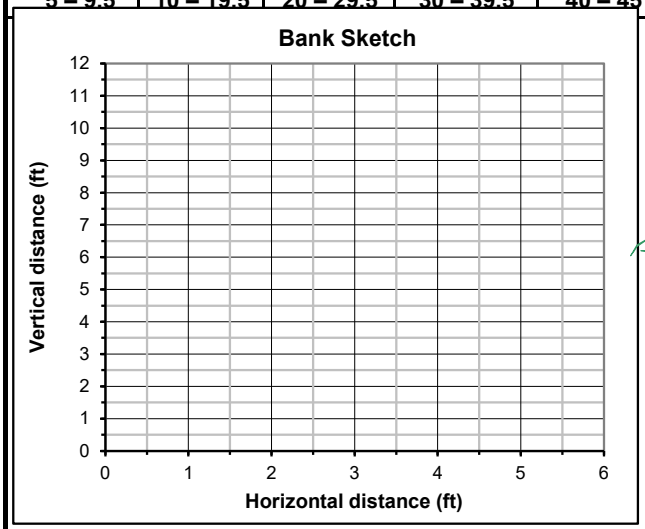
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**27.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.75 (C)**	**8.8**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**27.36 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as % =	**100.00 (F)**			(F) x (E) =	**3.65497 (G)**	**9.6**
Bank Angle (H)						
Bank Angle as *Degrees* =	**15 (H)**					**1.8**
Surface Protection (I)						
Surface Protection as % =	**85% (I)**					**1.3**

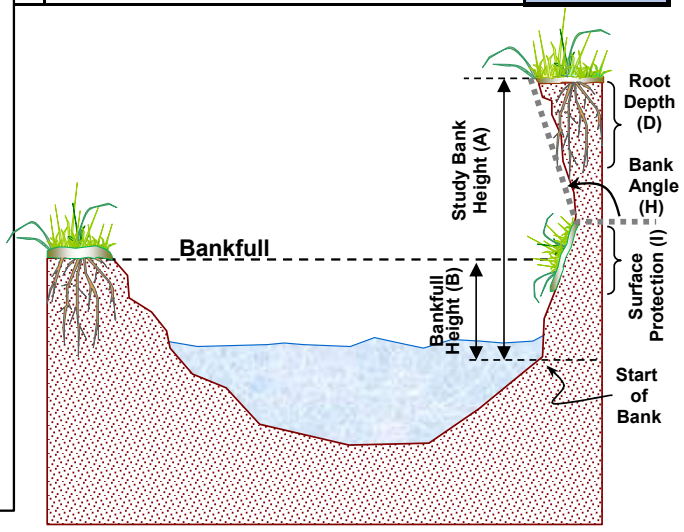
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **20.4**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Road/Launchway, SIDC**
Station:	**Transect 082**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**28.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.89 (C)**	**9.0**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**28.76 (A)**	(D) / (A) =	**0.35 (E)**	**5.2**
Weighted Root Density (G)						
Root Density as **%** =	**100.00 (F)**			(F) x (E) =	**34.7705 (G)**	**5.6**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**80% (I)**					**1.8**

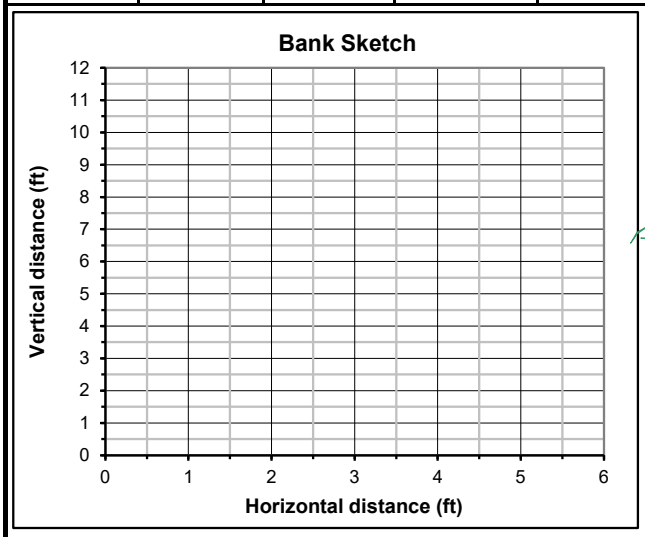
Bank Material Adjustment:

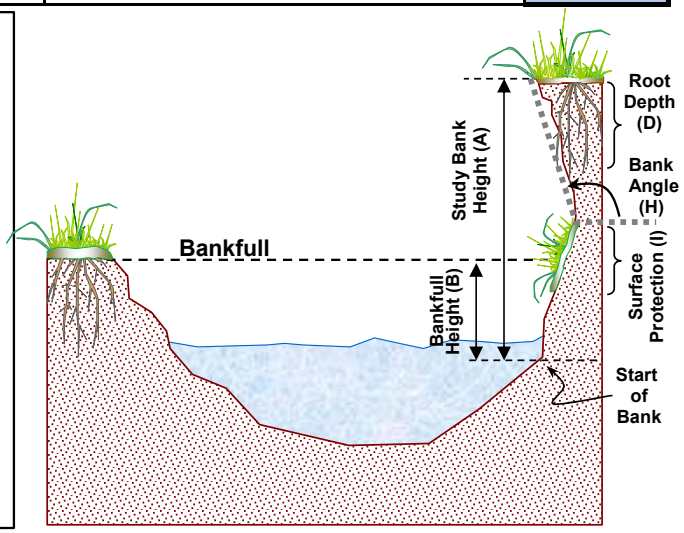
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **34.1**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 083**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.27 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**26.16 (A)**	(D) / (A) =	**0.19 (E)**	**7.4**
Weighted Root Density (G)						
Root Density as **%** =			**100.00 (F)**	(F) x (E) =	**19.1131 (G)**	**7.3**
Bank Angle (H)						
Bank Angle as *Degrees* =					**40 (H)**	**2.8**
Surface Protection (I)						
Surface Protection as **%** =					**100% (I)**	**0.0**

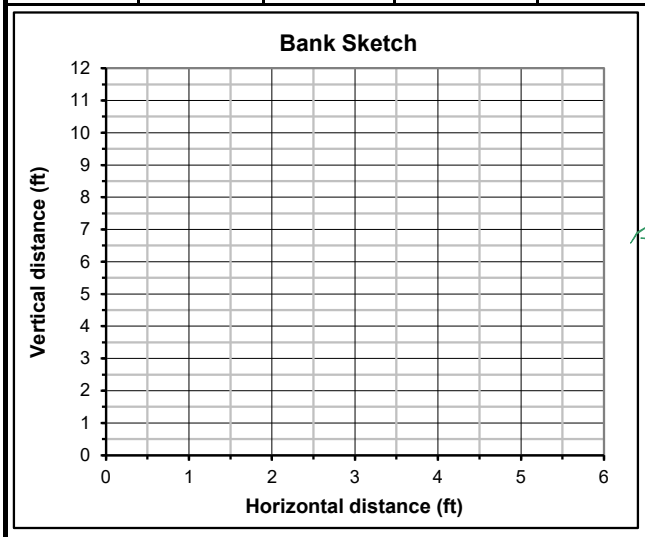
Bank Material Adjustment:

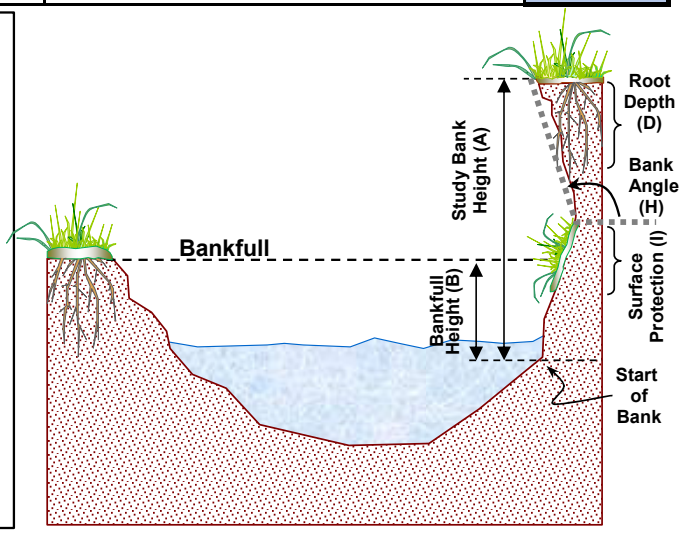
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **20.8**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 084**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**27.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.73 (C)**	**8.8**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**27.16 (A)**	(D) / (A) =	**0.18 (E)**	**7.5**
Weighted Root Density (G)						
Root Density as **%** =	**100.00 (F)**			(F) x (E) =	**18.4094 (G)**	**7.5**
Bank Angle (H)						
Bank Angle as *Degrees* =	**40 (H)**					**2.8**
Surface Protection (I)						
Surface Protection as **%** =	**100% (I)**					**0.0**

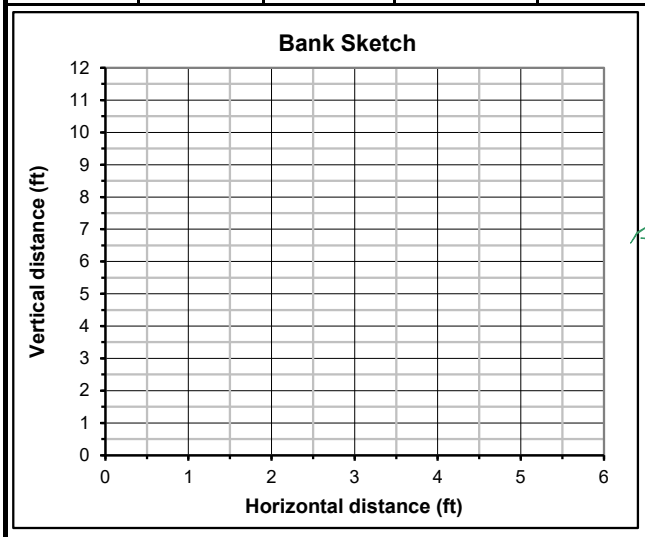
Bank Material Adjustment:

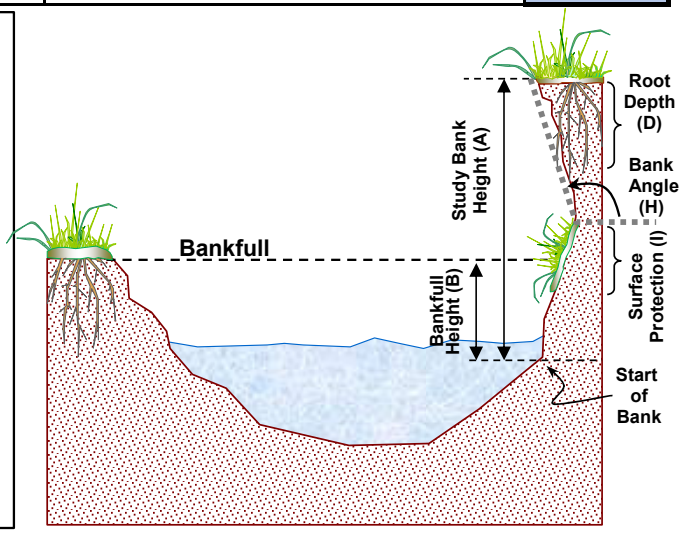
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating**	**Moderate**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**	**and Total Score**	**21.6**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Swan Island Dock Co**
Station:	**Transect 085**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.54 (C)**	**8.6**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**25.26 (A)**	(D) / (A) =	**0.40 (E)**	**4.7**
Weighted Root Density (G)						
Root Density as **%** =			**100.00 (F)**	(F) x (E) =	**39.5883 (G)**	**5.1**
Bank Angle (H)						
Bank Angle as *Degrees* =					**42 (H)**	**3.0**
Surface Protection (I)						
Surface Protection as **%** =					**100% (I)**	**0.0**

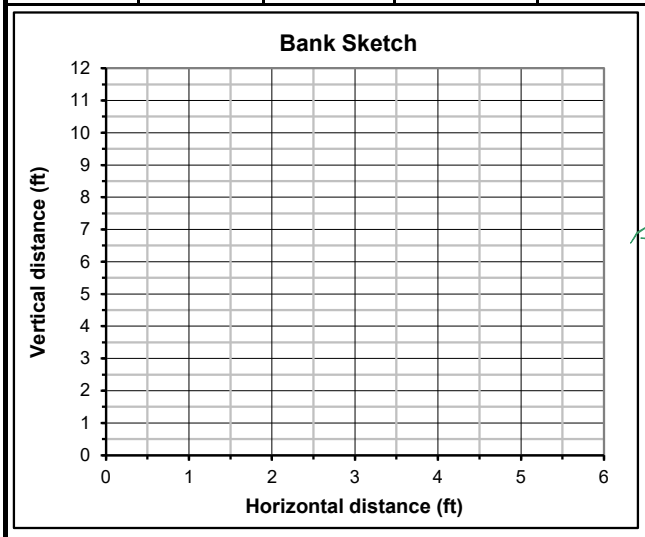
Bank Material Adjustment:

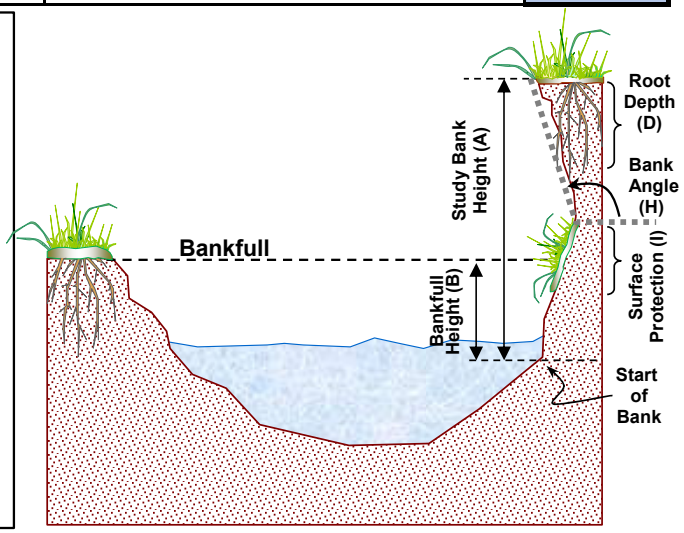
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **31.4**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Bank Erosion Hazard Index (BEHI)

Stream: **SIB** Location: **Swan Island Dock Co**

Station: **Transect 086** Observers: **ORBIS, BWG, MM**

Date: **5/31/2022** Stream Type: Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	24.96 (A)	Bankfull Height (ft) =	9.94 (B)	(A) / (B) =	2.51 (C)	8.6
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	10.00 (D)	Study Bank Height (ft) =	24.96 (A)	(D) / (A) =	0.40 (E)	4.7
Weighted Root Density (G)						
Root Density as % =	100.00 (F)			(F) x (E) =	40.0641 (G)	5.2
Bank Angle (H)						
Bank Angle as *Degrees* =	36 (H)					2.7
Surface Protection (I)						
Surface Protection as % =	95% (I)					0.5

Bank Material Adjustment:

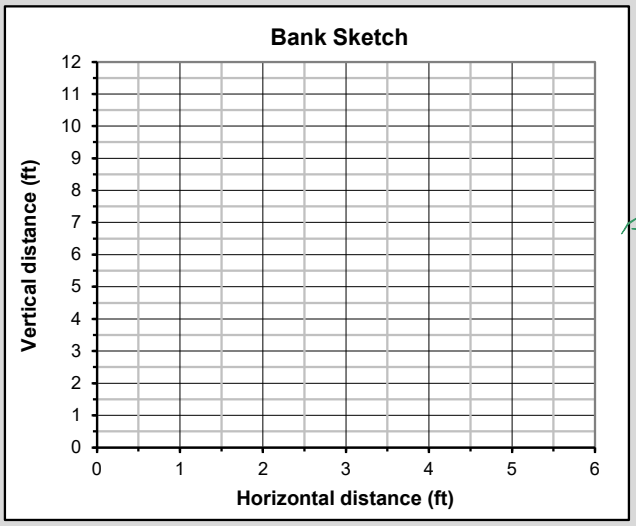
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

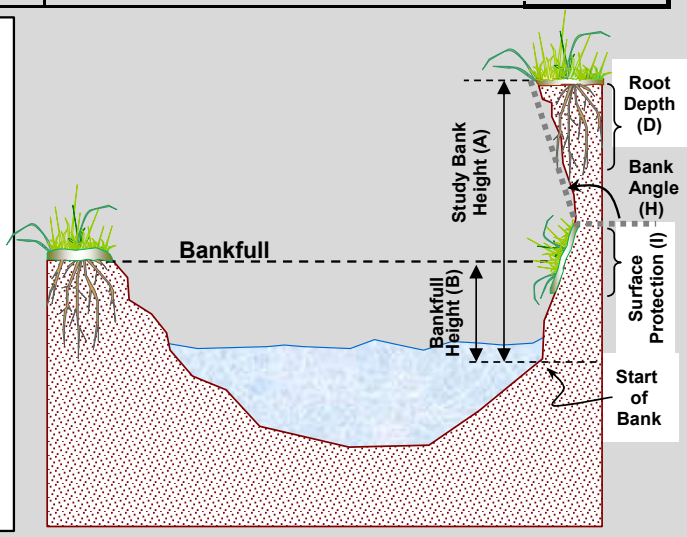
Bank Material Adjustment = **5**

Stratification Adjustment

Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	Adjective Rating and Total Score
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Moderate** / **26.7**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**ATC Leasing**
Station:	**Transect 087**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.06 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.42 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**24.06 (A)**	(D) / (A) =	**0.21 (E)**	**7.0**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**15.586 (G)**	**7.9**
Bank Angle (H)						
Bank Angle as *Degrees* =					**28 (H)**	**2.3**
Surface Protection (I)						
Surface Protection as **%** =					**60% (I)**	**3.5**

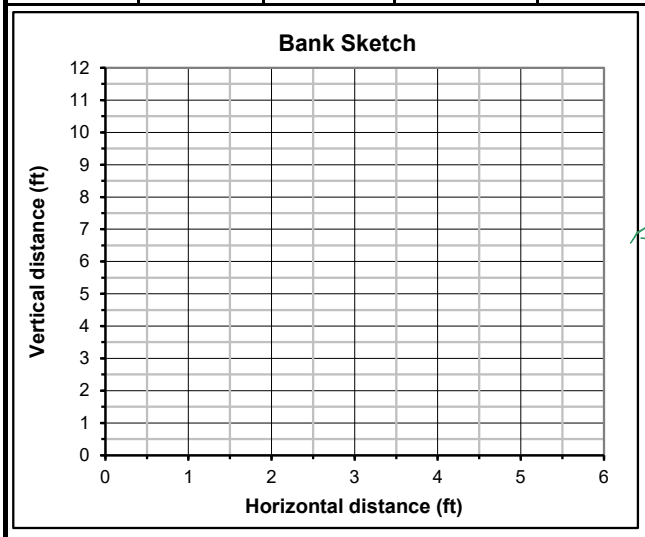
Bank Material Adjustment:

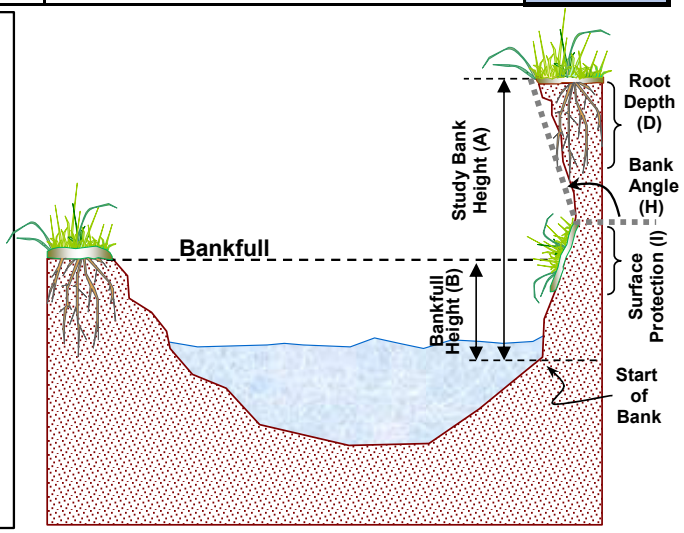
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Very High** **39.2**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**ATC Leasing**
Station:	**Transect 088**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**22.46 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.26 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**22.46 (A)**	(D) / (A) =	**0.45 (E)**	**4.3**
Weighted Root Density (G)						
Root Density as **%** =	**90.00 (F)**			(F) x (E) =	**40.0712 (G)**	**5.2**
Bank Angle (H)						
Bank Angle as *Degrees* =	**15 (H)**					**1.8**
Surface Protection (I)						
Surface Protection as **%** =	**75% (I)**					**2.3**

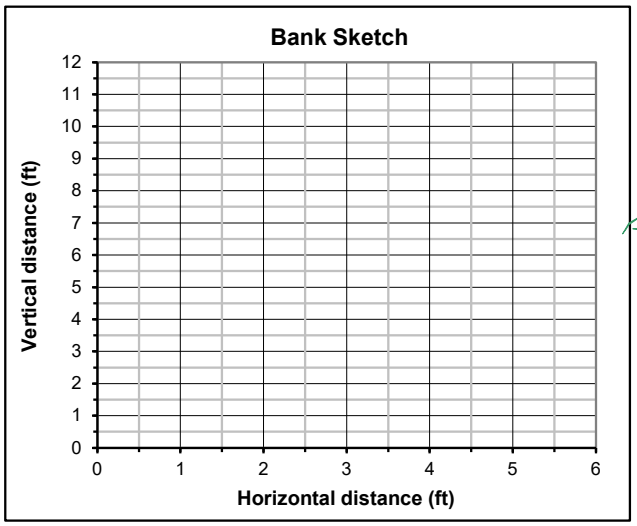
Bank Material Adjustment:

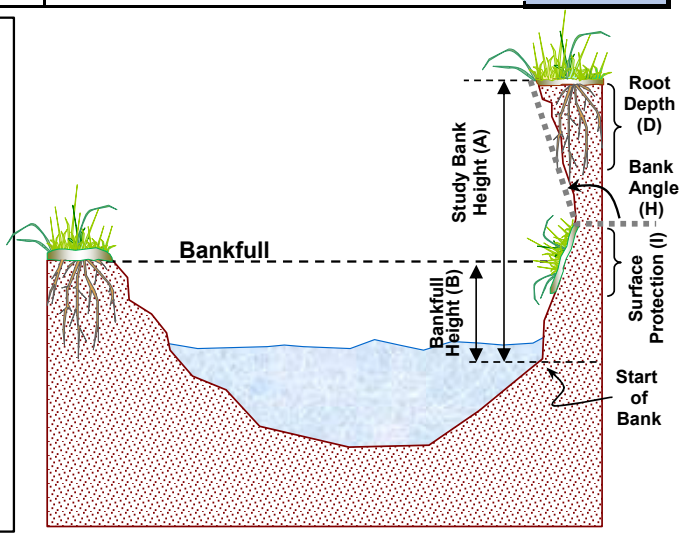
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **31.9**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**ATC Leasing**
Station:	**Transect 089**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.06 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.32 (C)**	**8.4**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**23.06 (A)**	(D) / (A) =	**0.43 (E)**	**4.4**
Weighted Root Density (G)						
Root Density as **%** =	**95.00 (F)**			(F) x (E) =	**41.1969 (G)**	**5.0**
Bank Angle (H)						
Bank Angle as *Degrees* =	**15 (H)**					**1.8**
Surface Protection (I)						
Surface Protection as **%** =	**95% (I)**					**0.5**

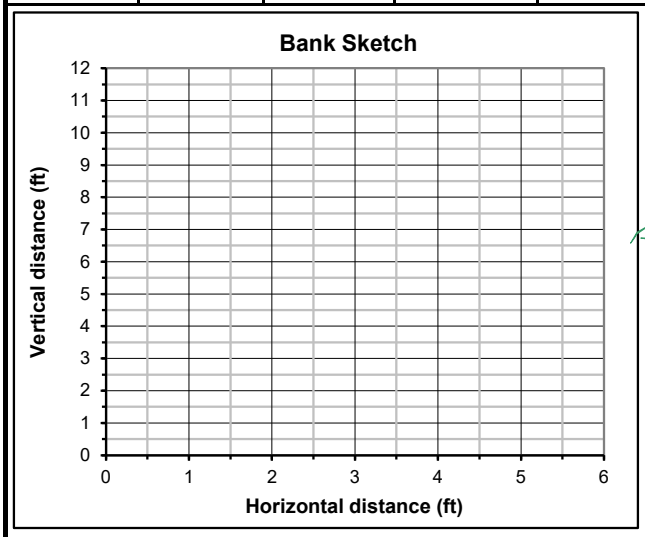
Bank Material Adjustment:

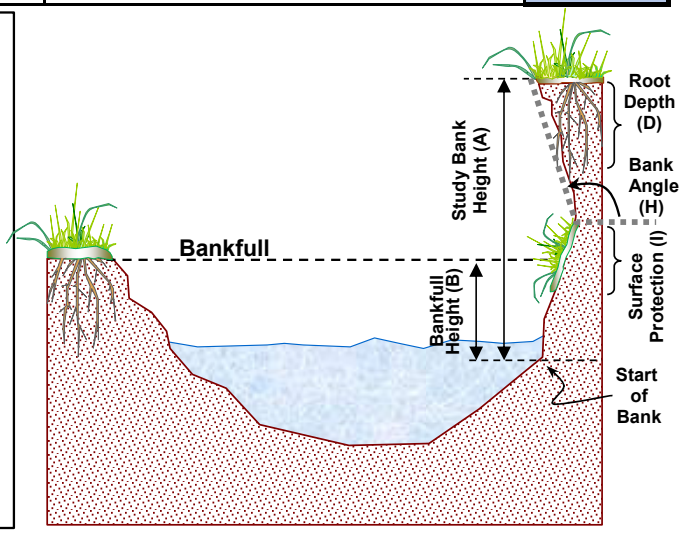
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **30.1**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**ATC Leasing**
Station:	**Transect 090**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.19 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**21.76 (A)**	(D) / (A) =	**0.46 (E)**	**4.6**
Weighted Root Density (G)						
Root Density as **%** =	**90.00 (F)**			(F) x (E) =	**41.3603 (G)**	**5.0**
Bank Angle (H)						
Bank Angle as *Degrees* =	**15 (H)**					**1.8**
Surface Protection (I)						
Surface Protection as **%** =	**95% (I)**					**0.5**

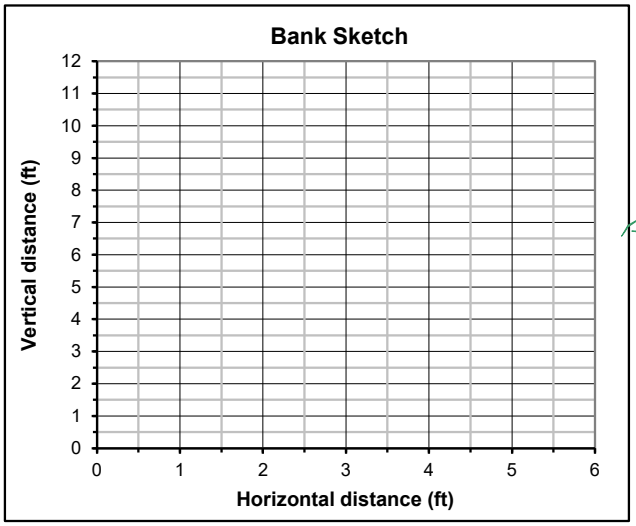
Bank Material Adjustment:

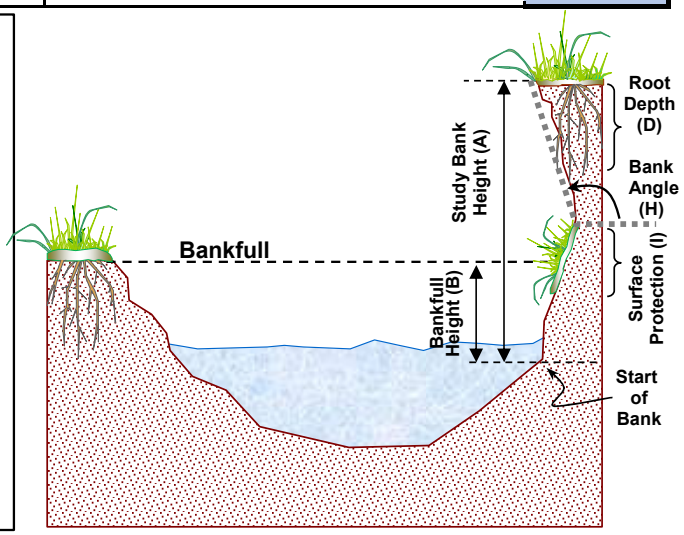
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **30.2**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**ATC Leasing**
Station:	**Transect 091**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

							BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)							
Study Bank Height (ft) =	**23.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.33 (C)**		**8.4**
Root Depth to Study Bank Height (E)							
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**23.16 (A)**	(D) / (A) =	**0.43 (E)**		**4.4**
Weighted Root Density (G)							
Root Density as **%** =	**100.00 (F)**			(F) x (E) =	**43.1779 (G)**		**5.0**
Bank Angle (H)							
Bank Angle as *Degrees* =	**20 (H)**						**1.9**
Surface Protection (I)							
Surface Protection as **%** =	**96% (I)**						**0.4**

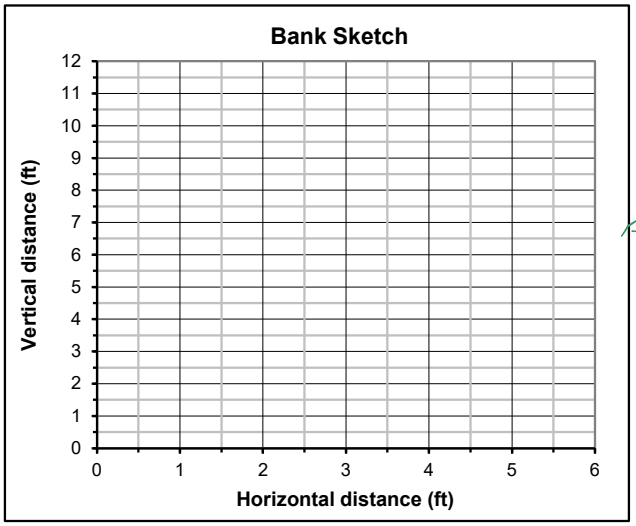
Bank Material Adjustment:

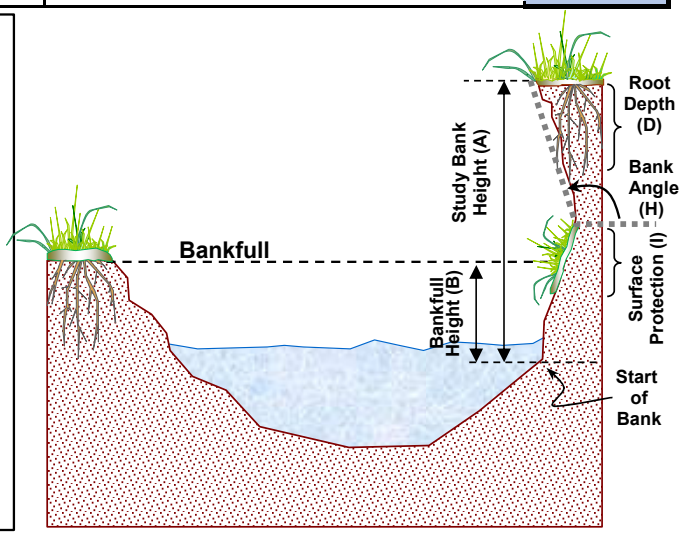
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment = **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **30.1**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**ATC Leasing**
Station:	**Transect 092**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**22.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.30 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**22.86 (A)**	(D) / (A) =	**0.44 (E)**	**4.6**
Weighted Root Density (G)						
Root Density as % =	**50.00 (F)**			(F) x (E) =	**21.8723 (G)**	**7.0**
Bank Angle (H)						
Bank Angle as *Degrees* =	**15 (H)**					**1.8**
Surface Protection (I)						
Surface Protection as % =	**50% (I)**					**4.2**

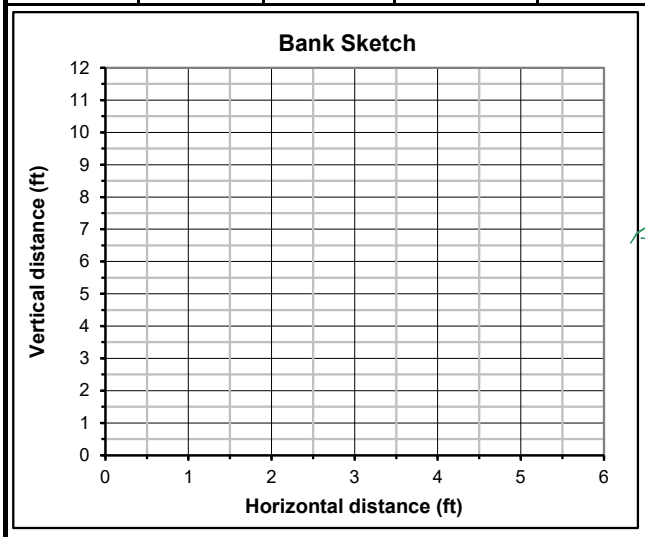
Bank Material Adjustment:

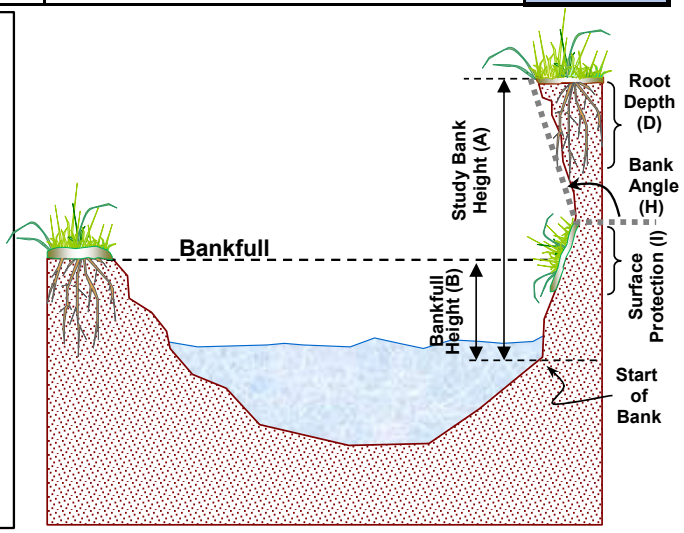
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**High** **35.9**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 093**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**21.56 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.17 (C)**	**8.2**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**21.56 (A)**	(D) / (A) =	**0.46 (E)**	**4.6**
Weighted Root Density (G)						
Root Density as **%** =	**50.00 (F)**			(F) x (E) =	**23.1911 (G)**	**6.9**
Bank Angle (H)						
Bank Angle as *Degrees* =	**15 (H)**					**1.8**
Surface Protection (I)						
Surface Protection as **%** =	**55% (I)**					**3.8**

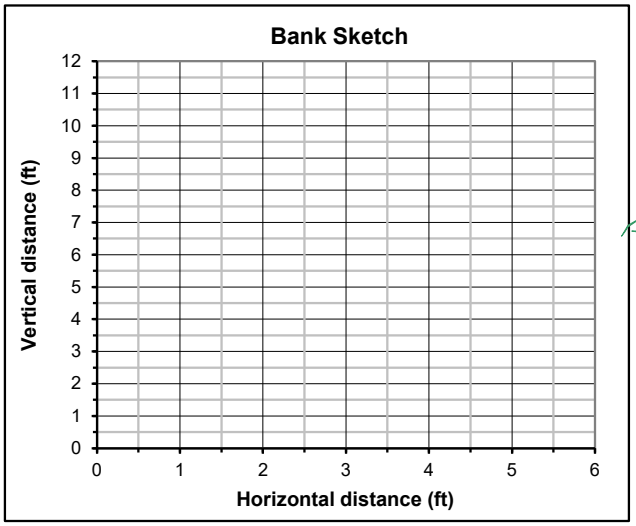
Bank Material Adjustment:

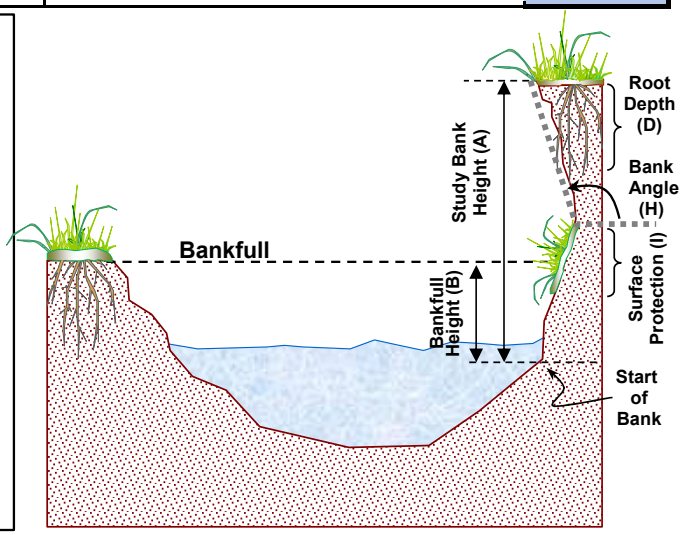
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **35.3**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 94**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

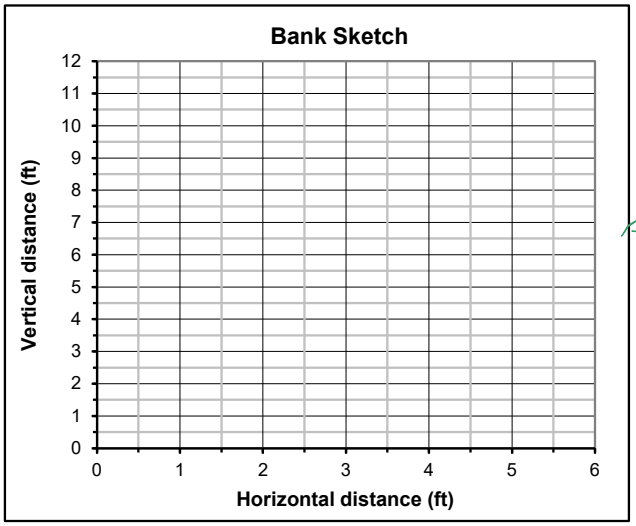
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.35 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**23.36 (A)**	(D) / (A) =	**0.43 (E)**	**4.4**
Weighted Root Density (G)						
Root Density as **%** =			**70.00 (F)**	(F) x (E) =	**29.9658 (G)**	**5.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**18 (H)**	**1.9**
Surface Protection (I)						
Surface Protection as **%** =					**45% (I)**	**4.5**

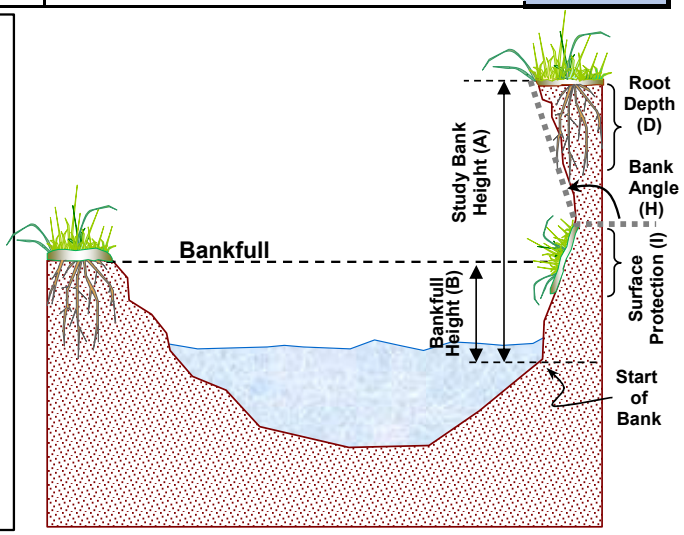
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **35.1**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 095**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**22.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.29 (C)**	**8.3**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**22.76 (A)**	(D) / (A) =	**0.44 (E)**	**4.6**
Weighted Root Density (G)						
Root Density as **%** =			**60.00 (F)**	(F) x (E) =	**26.362 (G)**	**6.2**
Bank Angle (H)						
Bank Angle as *Degrees* =					**18 (H)**	**1.9**
Surface Protection (I)						
Surface Protection as **%** =					**75% (I)**	**2.3**

Bank Material Adjustment:

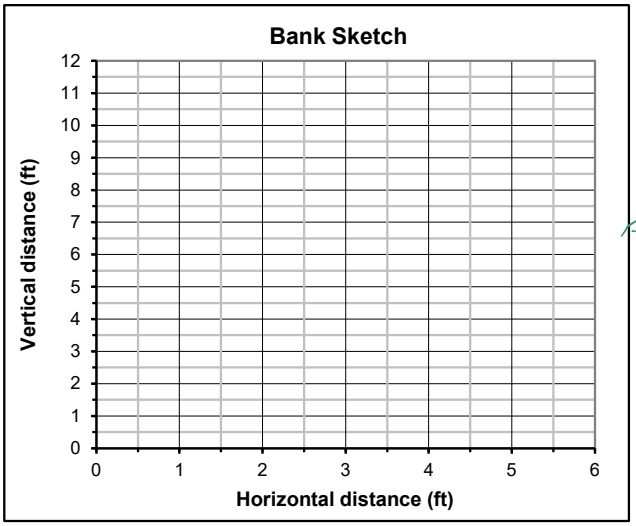
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

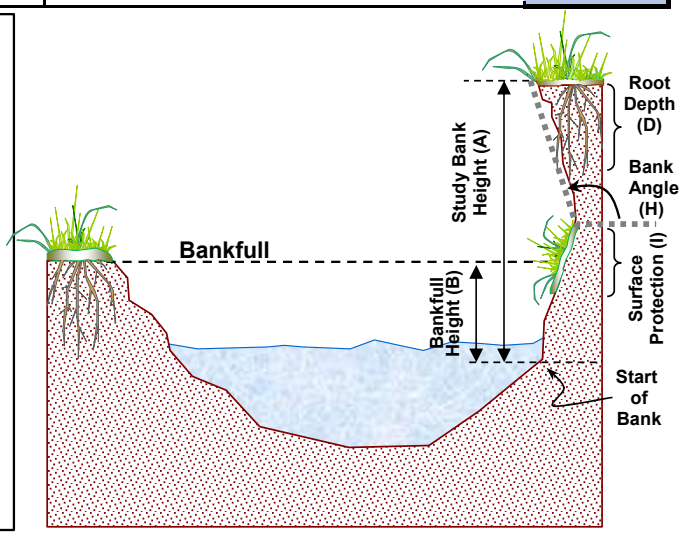
Bank Material Adjustment: **-8**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **15.3**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 096**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.06 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.62 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**26.06 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as % =	**75.00 (F)**			(F) x (E) =	**8.63392 (G)**	**8.3**
Bank Angle (H)						
Bank Angle as *Degrees* =	**15 (H)**					**1.8**
Surface Protection (I)						
Surface Protection as % =	**60% (I)**					**3.5**

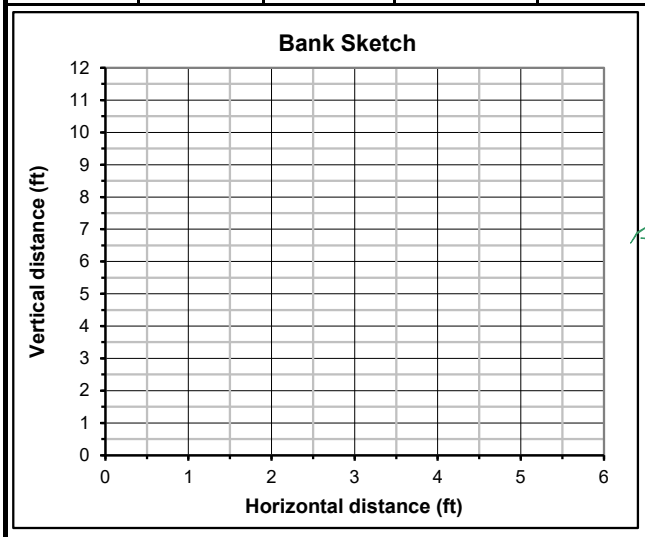
Bank Material Adjustment:

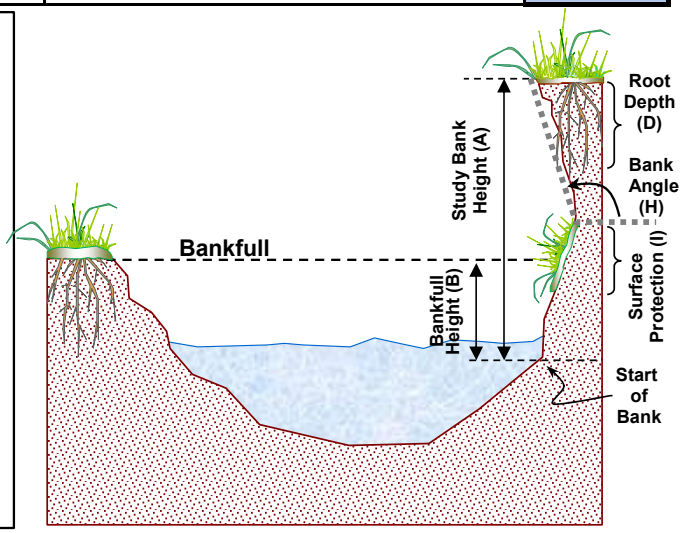
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Very High** / **40.6**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 097**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.96 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.41 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**23.96 (A)**	(D) / (A) =	**0.13 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as % =	**75.00 (F)**			(F) x (E) =	**9.39065 (G)**	**8.7**
Bank Angle (H)						
Bank Angle as *Degrees* =	**15 (H)**					**1.8**
Surface Protection (I)						
Surface Protection as % =	**75% (I)**					**2.3**

Bank Material Adjustment:

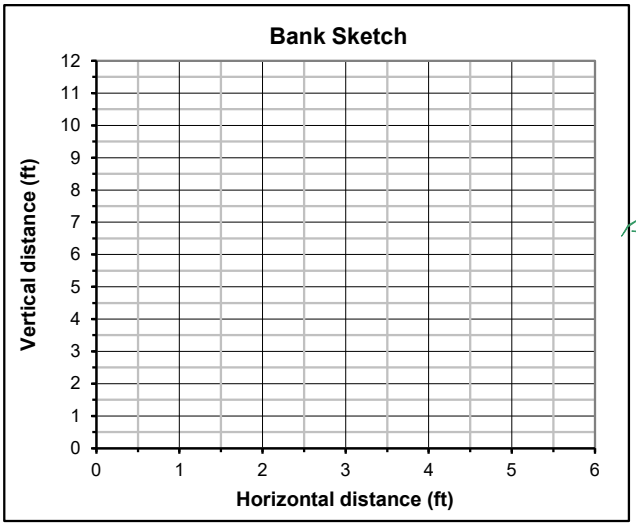
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

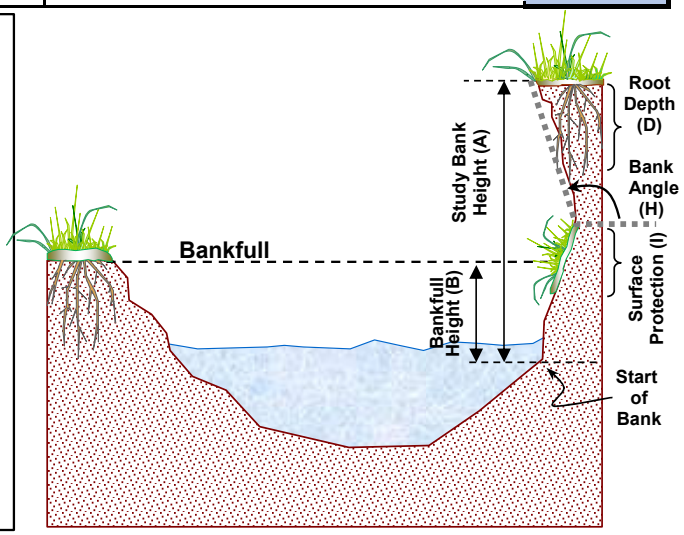
Bank Material Adjustment: **10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Very High**
Total Score: **39.6**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 098**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**23.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.33 (C)**	**8.4**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**23.16 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as % =			**40.00 (F)**	(F) x (E) =	**1.72712 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**35 (H)**	**2.6**
Surface Protection (I)						
Surface Protection as % =					**75% (I)**	**2.3**

Bank Material Adjustment:

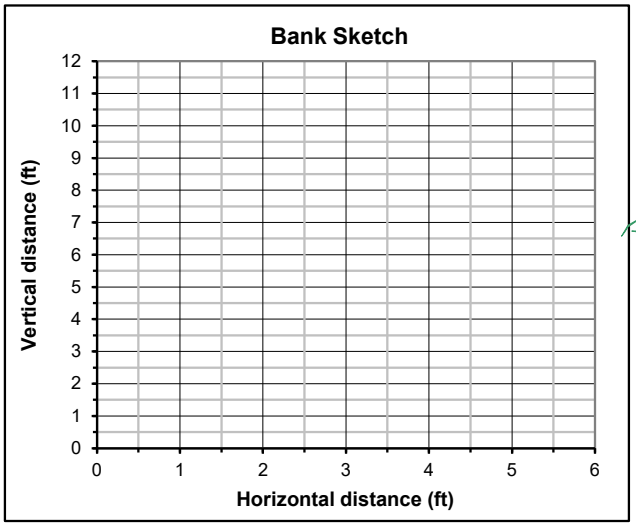
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

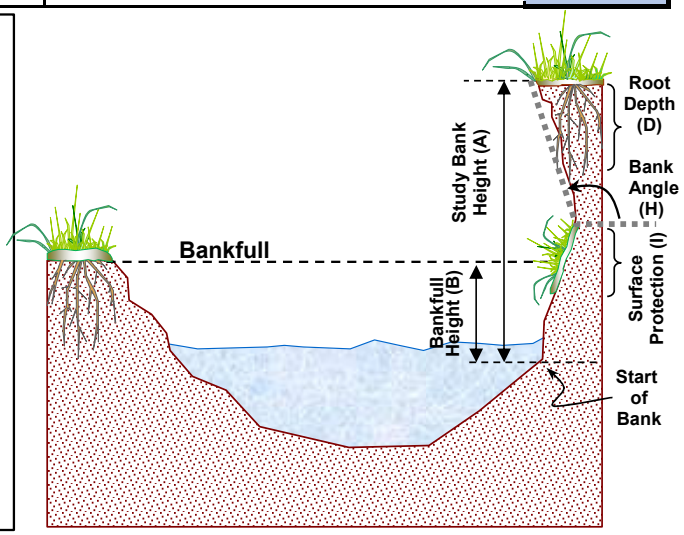
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Moderate **22.0**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 099**	Observers:	**ORBIS, BWG, MM**
Date:	**5/31/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.54 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**25.26 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as % =			**50.00 (F)**	(F) x (E) =	**1.97941 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =			**28 (H)**			**2.3**
Surface Protection (I)						
Surface Protection as % =			**75% (I)**			**2.3**

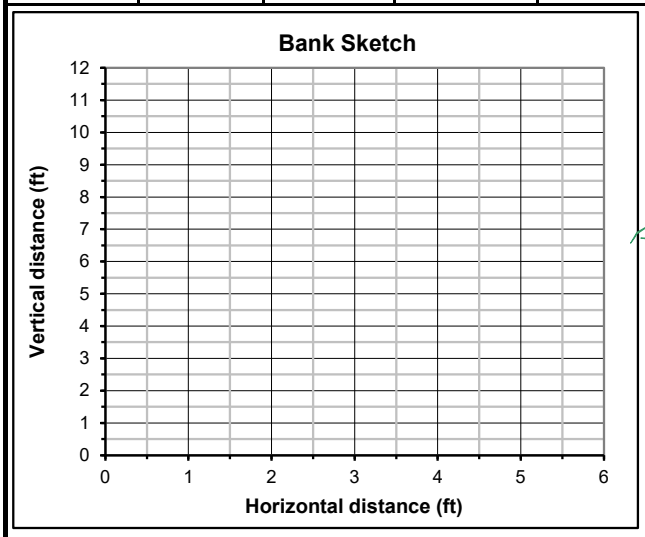
Bank Material Adjustment:

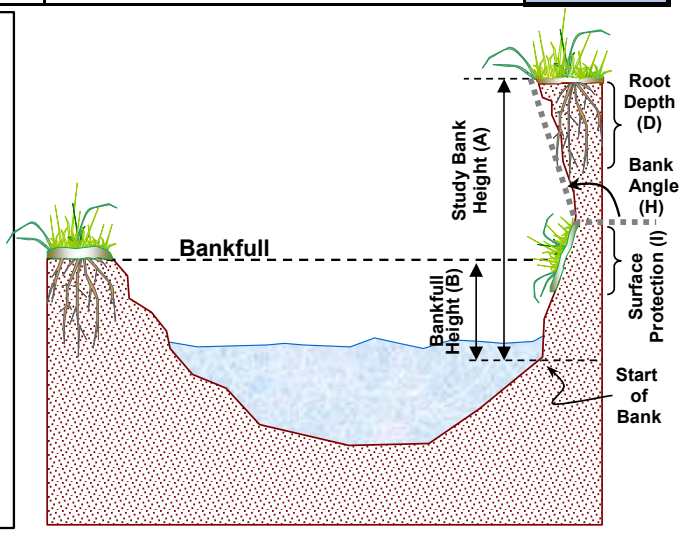
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **22.0**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 100**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

							BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)							
Study Bank Height (ft) =	**26.16** (A)	**Bankfull Height** (ft) =	**9.94** (B)	(A) / (B) =	**2.63** (C)		**8.7**
Root Depth to Study Bank Height (E)							
Root Depth (ft) =	**10.00** (D)	**Study Bank Height** (ft) =	**26.16** (A)	(D) / (A) =	**0.38** (E)		**4.8**
Weighted Root Density (G)							
Root Density as **%** =			**15.00** (F)	(F) x (E) =	**5.73394** (G)		**9.2**
Bank Angle (H)							
Bank Angle as *Degrees* =			**30** (H)				**2.5**
Surface Protection (I)							
Surface Protection as **%** =			**45%** (I)				**4.5**

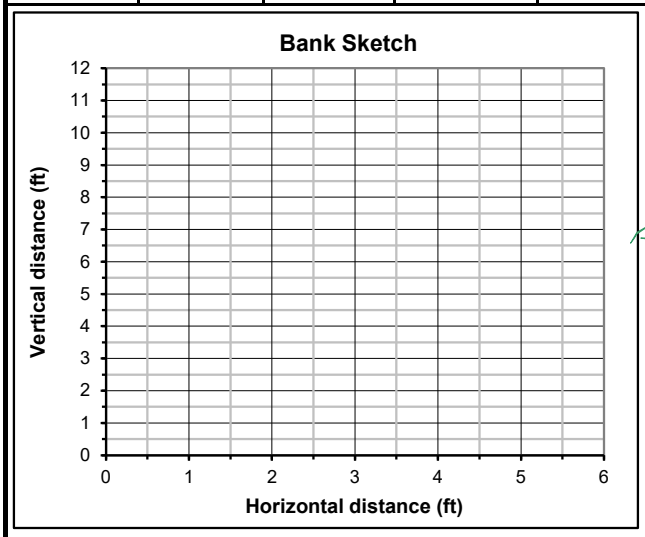
Bank Material Adjustment:

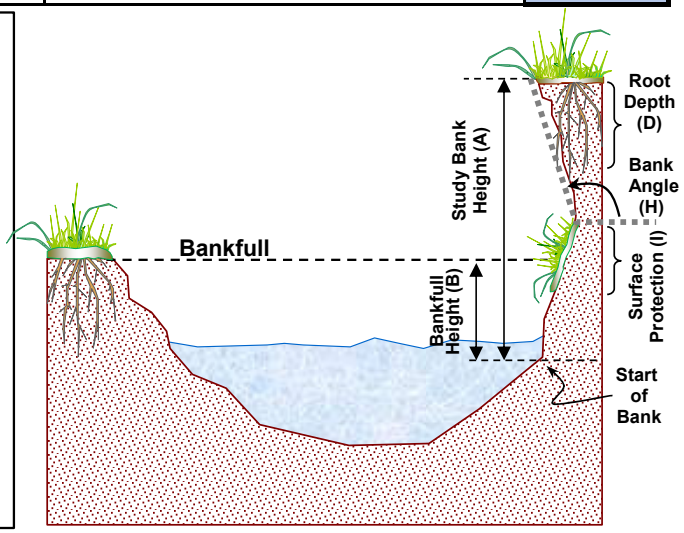
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **8**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**High** / **37.7**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 101**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.86 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.70 (C)**	**8.8**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**26.86 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**5.00 (F)**	(F) x (E) =	**0.18615 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**26 (H)**	**2.3**
Surface Protection (I)						
Surface Protection as **%** =					**50% (I)**	**4.2**

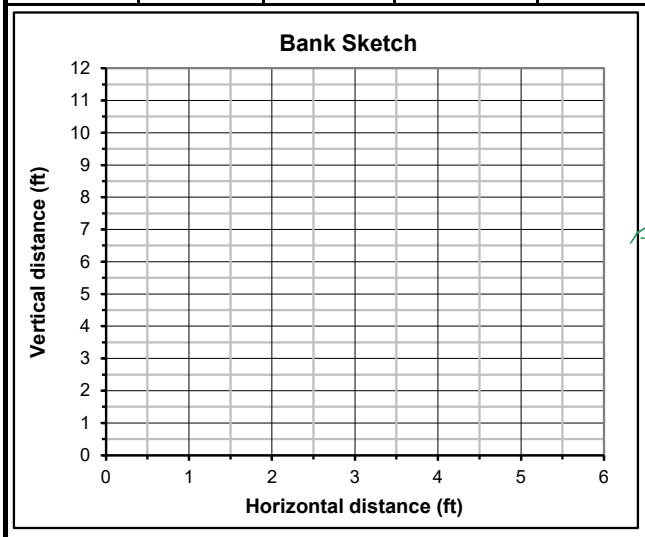
Bank Material Adjustment:

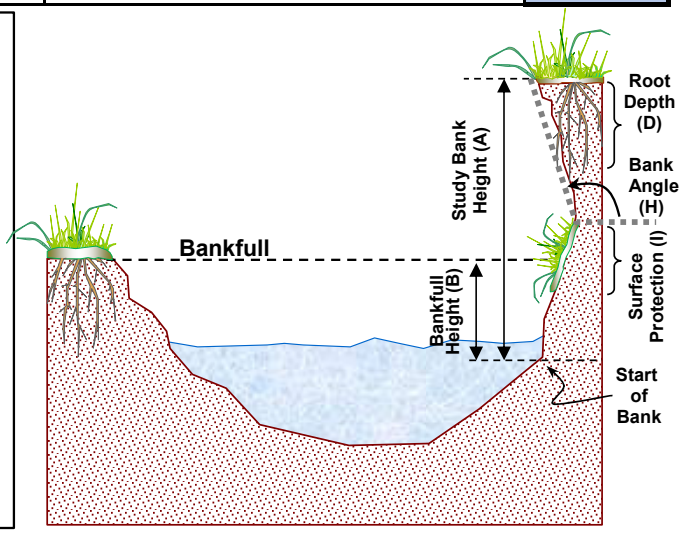
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Very High** / **39.0**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Port Dredge Base**
Station:	**Transect 102**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.96 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.61 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**25.96 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as % =	**15.00 (F)**			(F) x (E) =	**0.57781 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**26 (H)**					**2.3**
Surface Protection (I)						
Surface Protection as % =	**25% (I)**					**6.4**

Bank Material Adjustment:

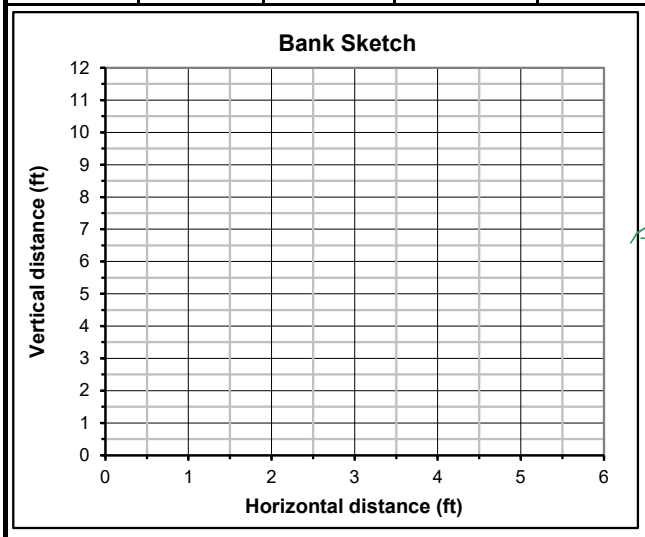
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

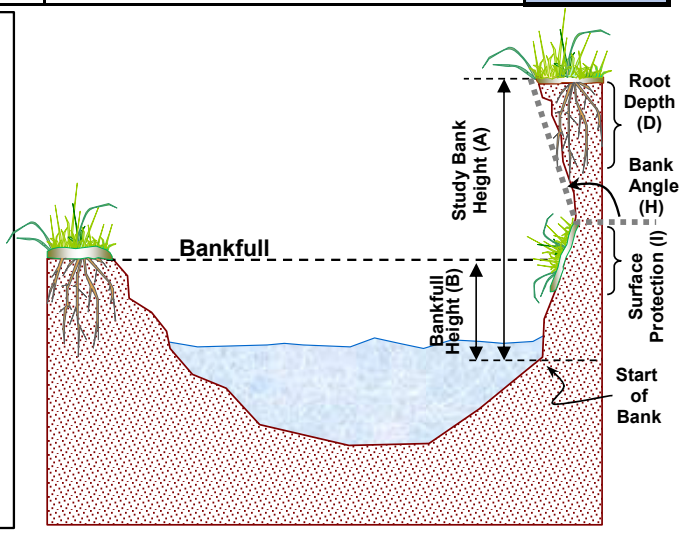
Bank Material Adjustment: **-5**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **High**
Total Score: **31.1**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 103**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.65 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**26.36 (A)**	(D) / (A) =	**0.11 (E)**	**8.4**
Weighted Root Density (G)						
Root Density as **%** =			**45.00 (F)**	(F) x (E) =	**5.1214 (G)**	**9.4**
Bank Angle (H)						
Bank Angle as *Degrees* =					**30 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as **%** =					**90% (I)**	**0.5**

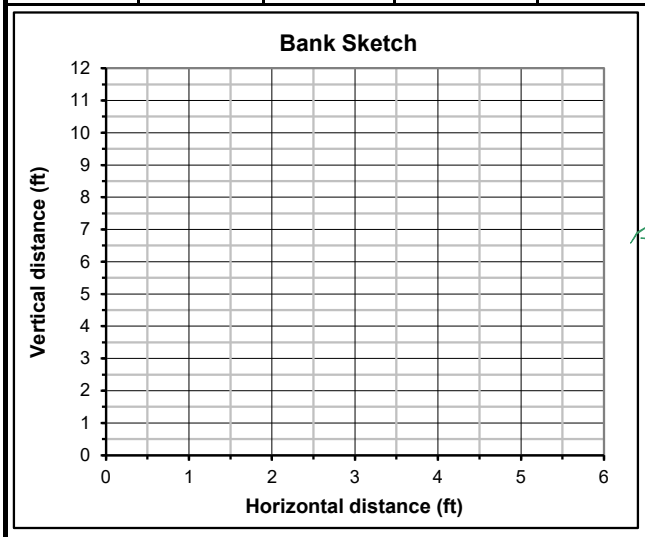
Bank Material Adjustment:

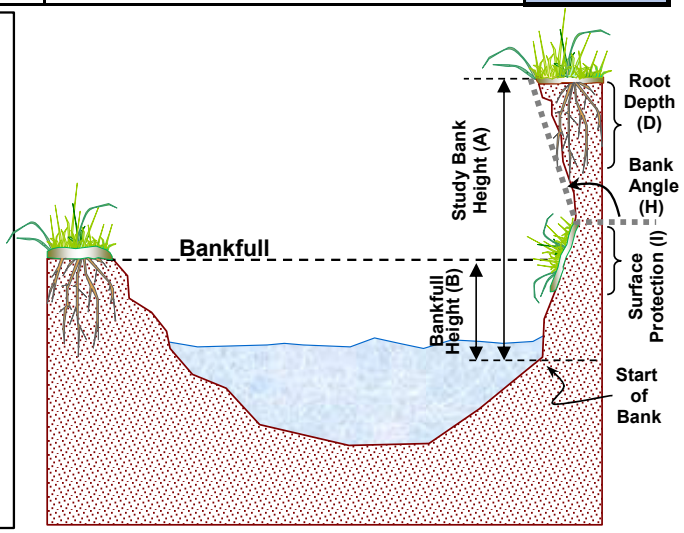
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **19.5**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 104**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.64 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**26.26 (A)**	(D) / (A) =	**0.11 (E)**	**8.4**
Weighted Root Density (G)						
Root Density as **%** =			**70.00 (F)**	(F) x (E) =	**7.99695 (G)**	**8.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**30 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as **%** =					**90% (I)**	**0.5**

Bank Material Adjustment:

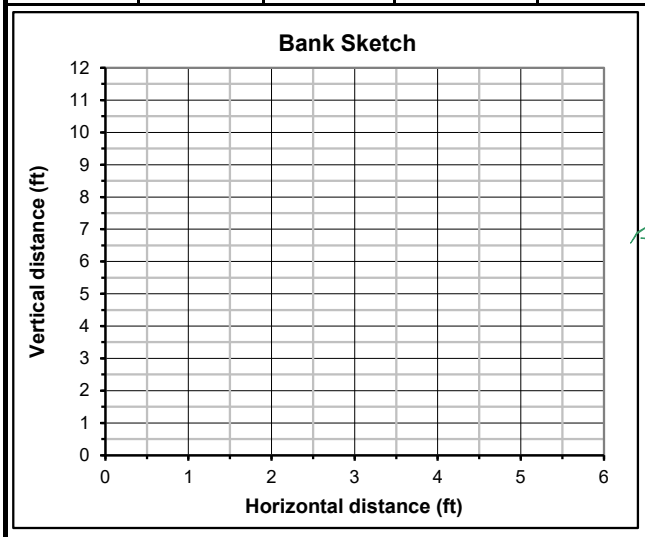
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

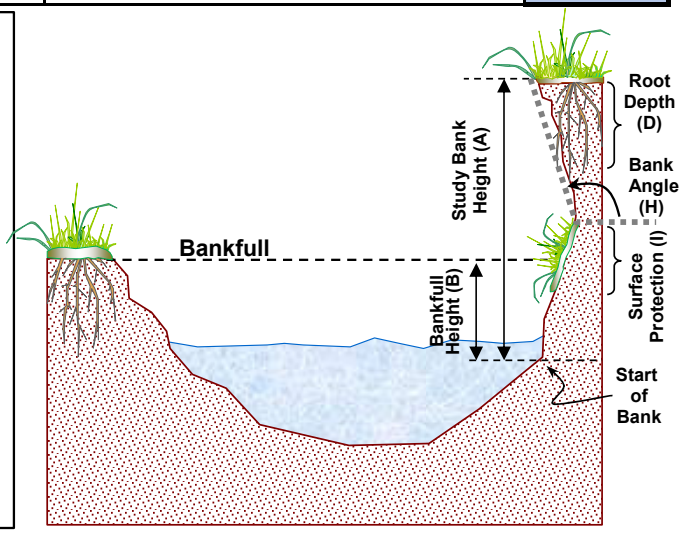
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Moderate / **18.9**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 105**	Observers:	**ORBIS, BH2O, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.56 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.67 (C)**	**8.8**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**26.56 (A)**	(D) / (A) =	**0.11 (E)**	**8.4**
Weighted Root Density (G)						
Root Density as **%** =			**95.00 (F)**	(F) x (E) =	**10.7304 (G)**	**8.7**
Bank Angle (H)						
Bank Angle as *Degrees* =					**30 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as **%** =					**90% (I)**	**0.5**

Bank Material Adjustment:

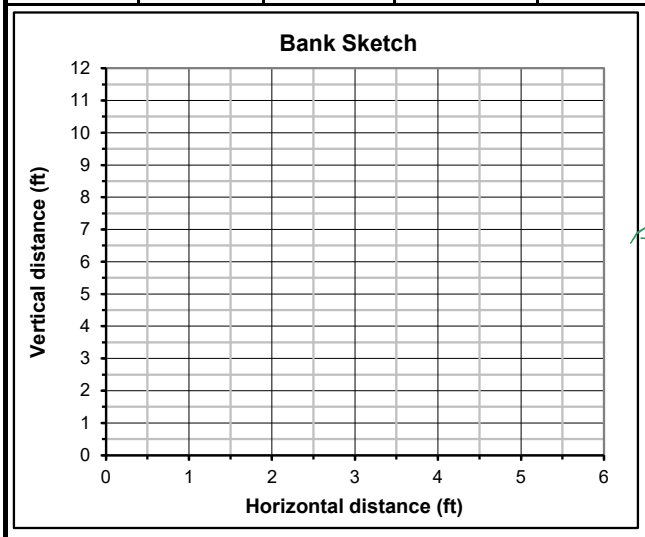
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

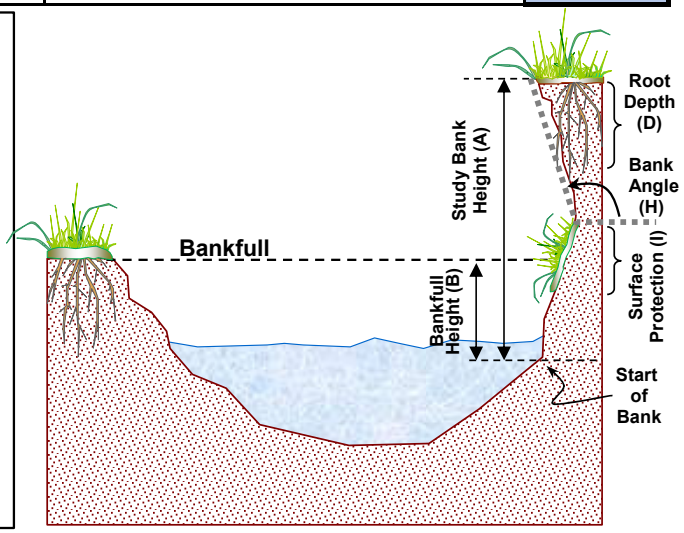
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **18.9**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 106**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.66 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.68 (C)**	**8.8**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**5.00 (D)**	**Study Bank Height** (ft) =	**26.66 (A)**	(D) / (A) =	**0.19 (E)**	**7.4**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**14.066 (G)**	**8.3**
Bank Angle (H)						
Bank Angle as *Degrees* =					**30 (H)**	**2.5**
Surface Protection (I)						
Surface Protection as **%** =					**90% (I)**	**0.5**

Bank Material Adjustment:

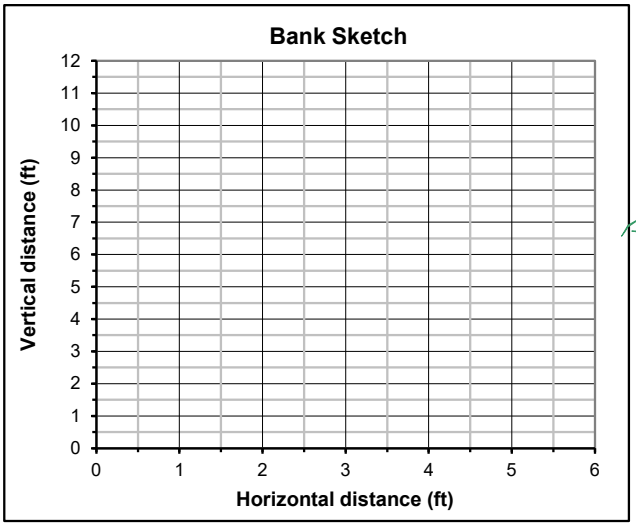
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

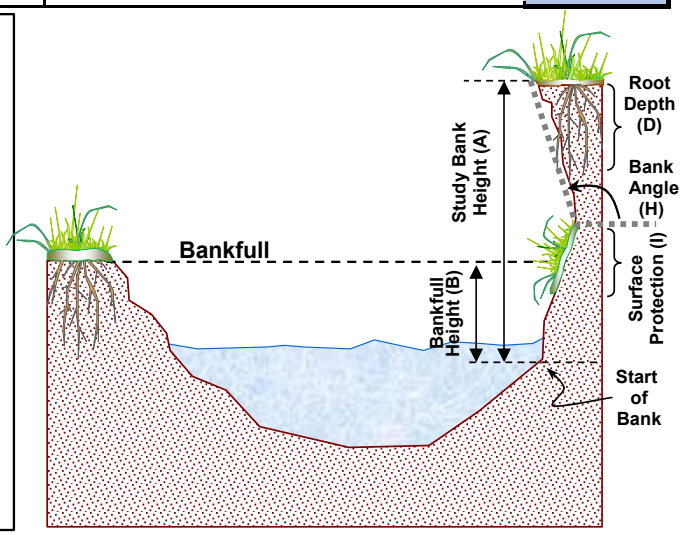
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **17.5**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 107**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.46 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.56 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**25.46 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as **%** =	**60.00 (F)**			(F) x (E) =	**7.06991 (G)**	**9.0**
Bank Angle (H)						
Bank Angle as *Degrees* =	**30 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**90% (I)**					**0.5**

Bank Material Adjustment:

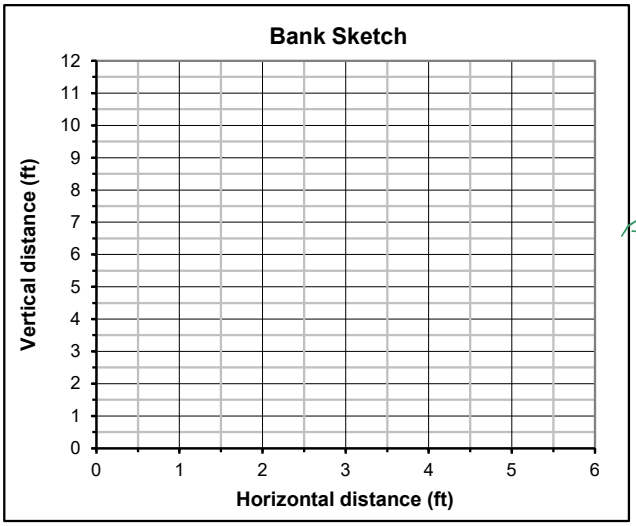
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

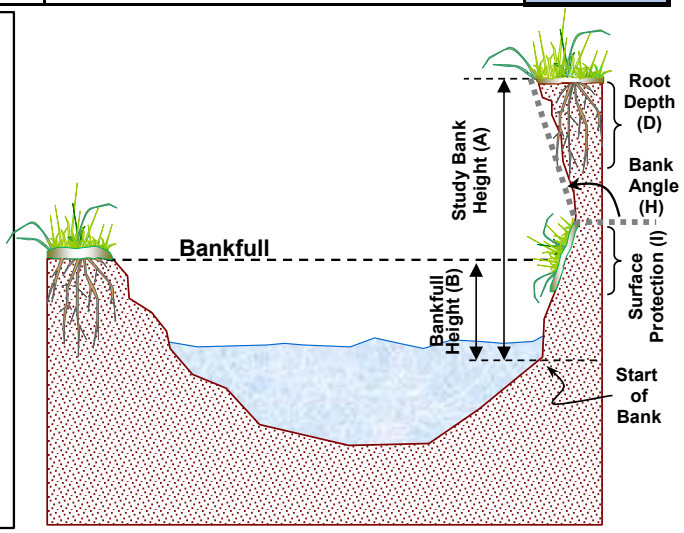
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **19.0**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 108**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.76 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.59 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**25.76 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**40.00 (F)**	(F) x (E) =	**1.5528 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =					**35 (H)**	**2.6**
Surface Protection (I)						
Surface Protection as **%** =					**90% (I)**	**0.5**

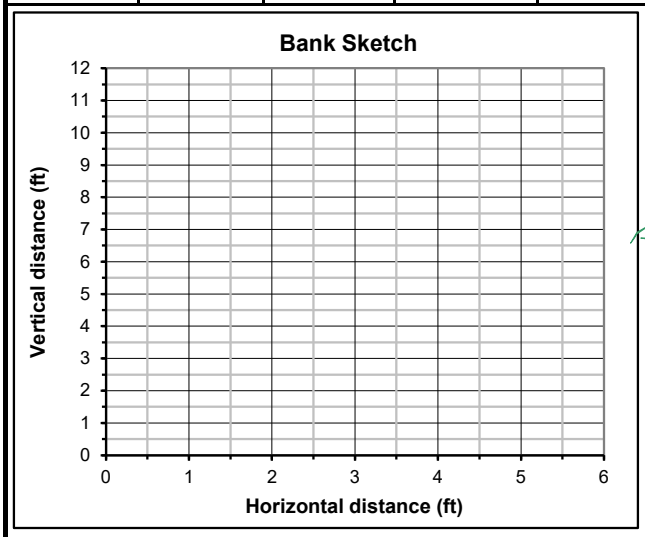
Bank Material Adjustment:

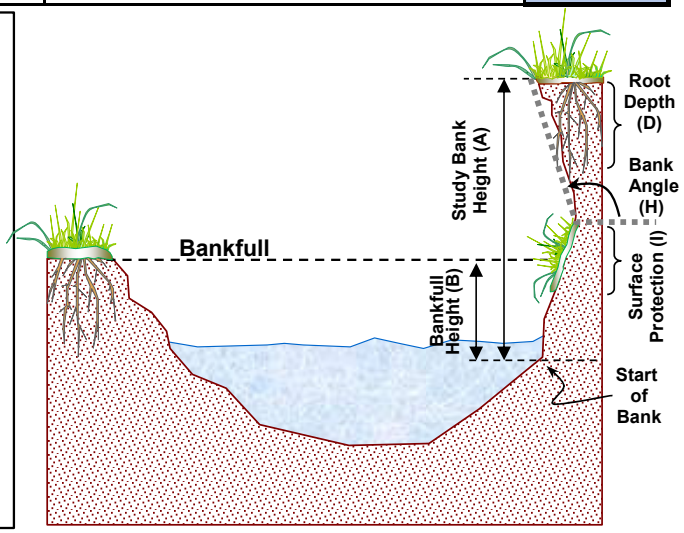
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **20.5**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 109**	Observers:	**ORBIS, BH2O, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

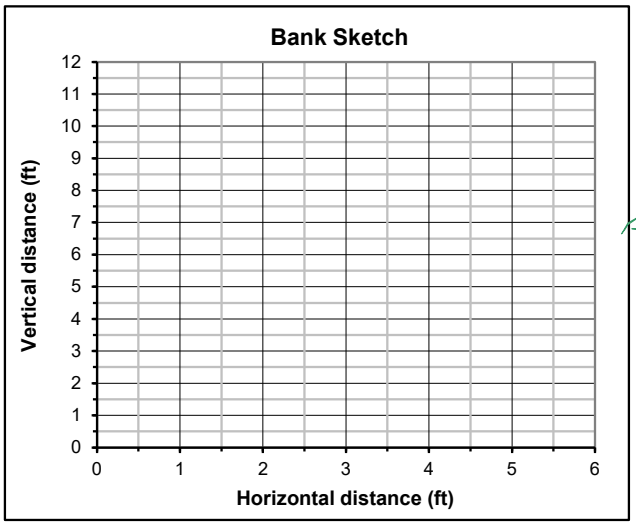
						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.96 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.51 (C)**	**8.6**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**24.96 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**30.00 (F)**	(F) x (E) =	**1.20192 (G)**	**9.7**
Bank Angle (H)						
Bank Angle as *Degrees* =			**35 (H)**			**2.6**
Surface Protection (I)						
Surface Protection as **%** =			**90% (I)**			**0.5**

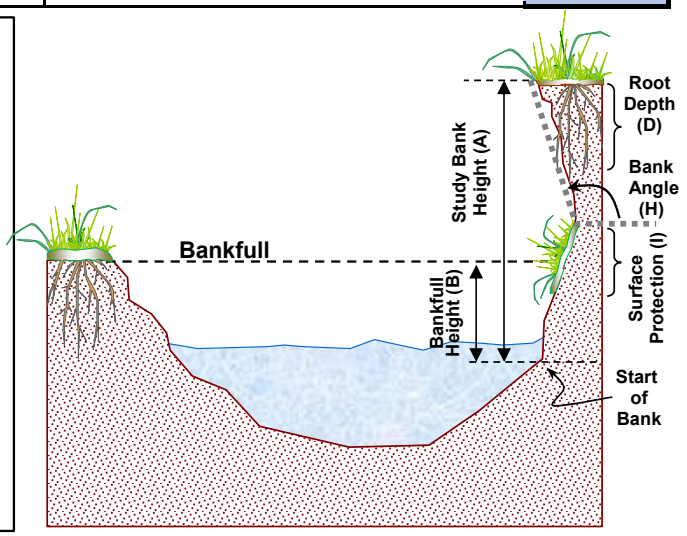
Bank Material Adjustment:
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment → **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **20.3**
5 – 9.5	**10 – 19.5**	**20 – 29.5**	**30 – 39.5**	**40 – 45**	**46 – 50**		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 110**	Observers:	**ORBIS, BH2O, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.56 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.57 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**25.56 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**30.00 (F)**	(F) x (E) =	**1.17371 (G)**	**9.7**
Bank Angle (H)						
Bank Angle as *Degrees* =			**38 (H)**			**2.8**
Surface Protection (I)						
Surface Protection as **%** =			**90% (I)**			**0.5**

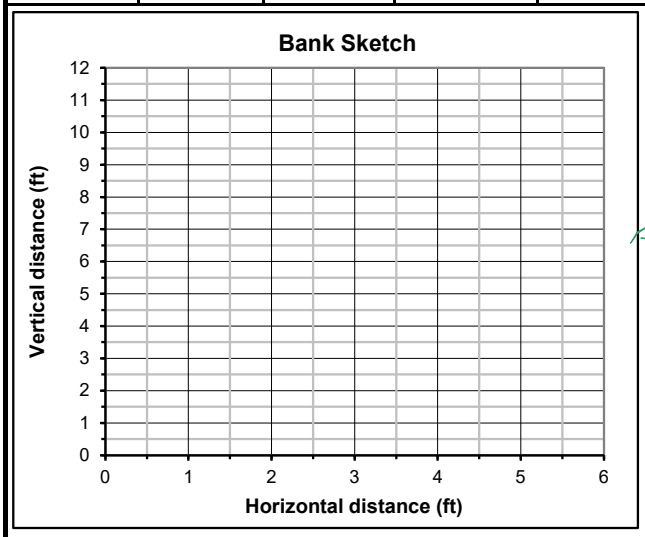
Bank Material Adjustment:

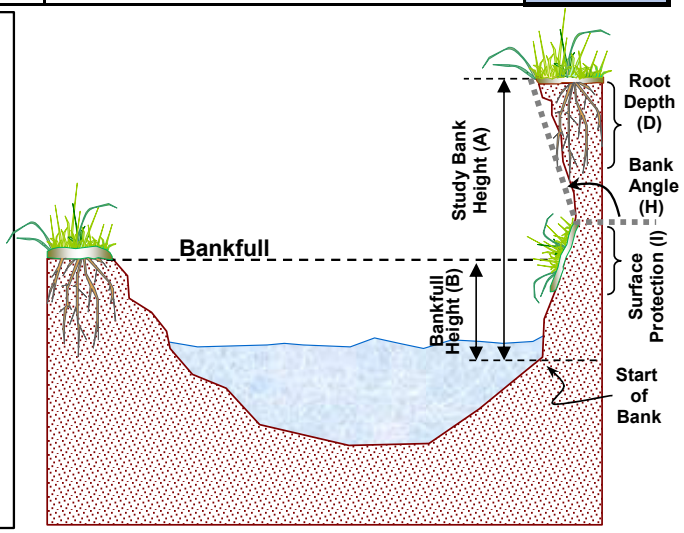
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Moderate** / **20.6**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**Marine Salvage Consortium**
Station:	**Transect 111**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.06 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.62 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**1.00 (D)**	**Study Bank Height** (ft) =	**26.06 (A)**	(D) / (A) =	**0.04 (E)**	**8.9**
Weighted Root Density (G)						
Root Density as **%** =			**20.00 (F)**	(F) x (E) =	**0.76746 (G)**	**9.8**
Bank Angle (H)						
Bank Angle as *Degrees* =			**38 (H)**			**2.8**
Surface Protection (I)						
Surface Protection as **%** =			**90% (I)**			**0.5**

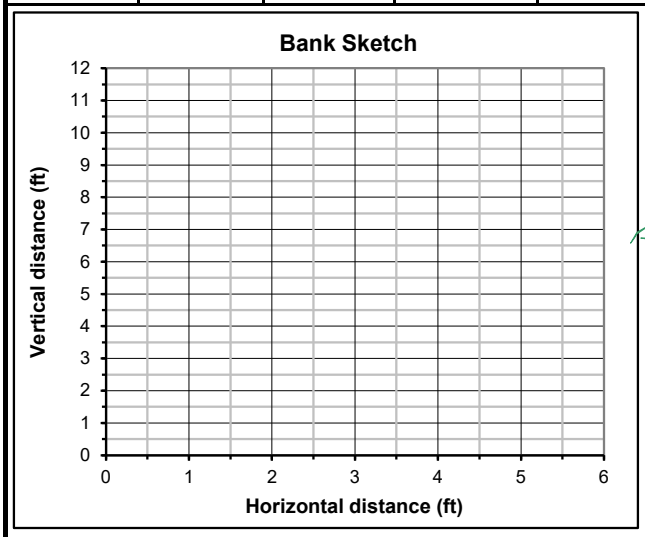
Bank Material Adjustment:

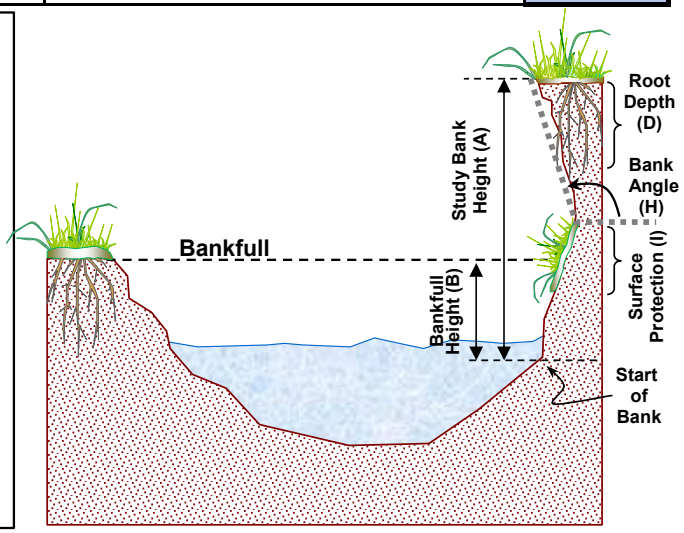
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**Moderate** **20.7**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**US Navy and Marine Reserve Center**
Station:	**Transect 112**	Observers:	**ORBIS, BWG, MM**
Date:	**2/14/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**27.06 (A)**	**Bankfull Height** (ft) =	**10.14 (B)**	(A) / (B) =	**2.67 (C)**	**8.8**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**2.00 (D)**	**Study Bank Height** (ft) =	**27.06 (A)**	(D) / (A) =	**0.07 (E)**	**8.8**
Weighted Root Density (G)						
Root Density as **%** =	**80.00 (F)**			(F) x (E) =	**5.91279 (G)**	**9.2**
Bank Angle (H)						
Bank Angle as *Degrees* =	**30 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**80% (I)**					**1.8**

Bank Material Adjustment:

Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

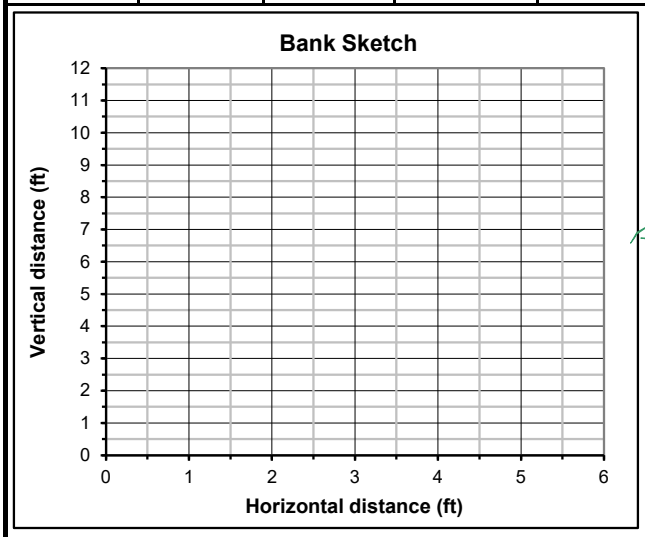
Bank Material Adjustment: **-10**

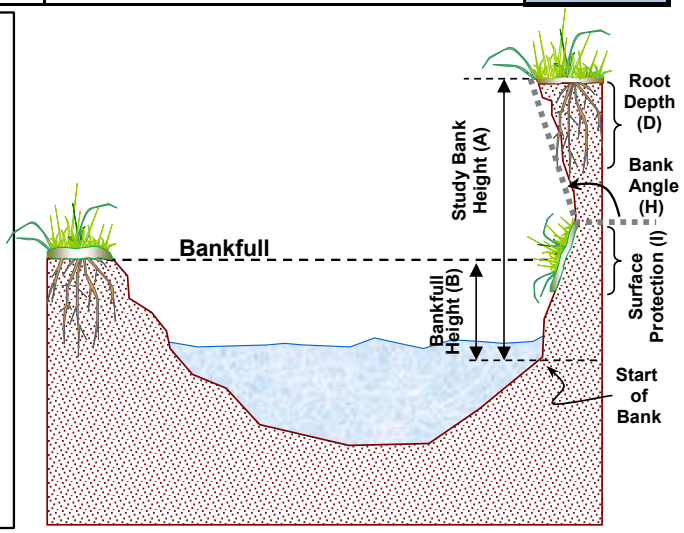
Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Moderate

21.1





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**US Navy and Marine Reserve Center**
Station:	**Transect 113**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**28.56 (A)**	**Bankfull Height** (ft) =	**21.28 (B)**	(A) / (B) =	**1.34 (C)**	**5.0**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**28.56 (A)**	(D) / (A) =	**0.35 (E)**	**5.2**
Weighted Root Density (G)						
Root Density as % =	**70.00 (F)**			(F) x (E) =	**24.5098 (G)**	**6.2**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as % =	**80% (I)**					**1.8**

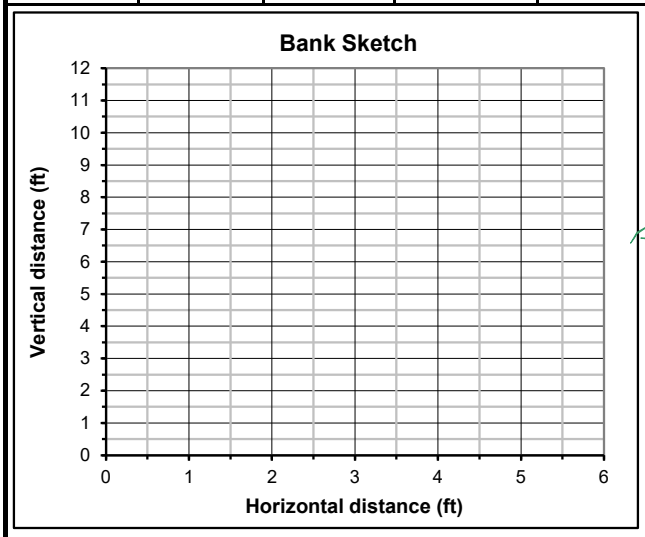
Bank Material Adjustment:

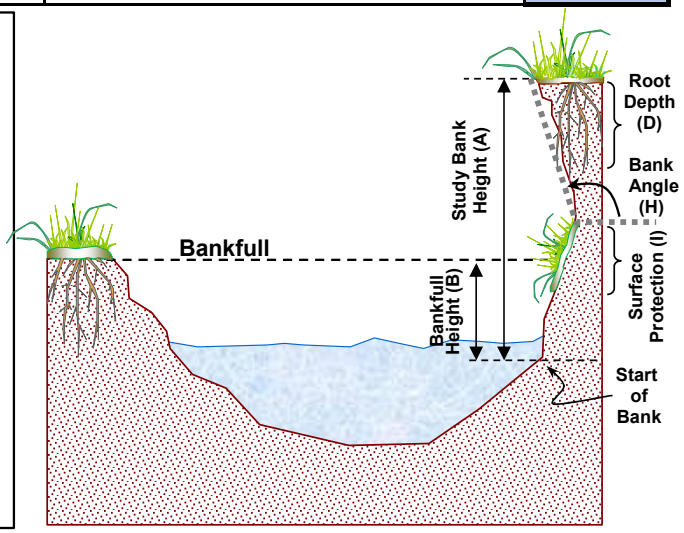
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Low** / **10.7**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**US Navy and Marine Reserve Center**
Station:	**Transect 114**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**27.56 (A)**	**Bankfull Height** (ft) =	**20.28 (B)**	(A) / (B) =	**1.36 (C)**	**5.0**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**27.56 (A)**	(D) / (A) =	**0.36 (E)**	**5.2**
Weighted Root Density (G)						
Root Density as **%** =	**65.00 (F)**			(F) x (E) =	**23.5849 (G)**	**6.4**
Bank Angle (H)						
Bank Angle as *Degrees* =	**32 (H)**					**2.5**
Surface Protection (I)						
Surface Protection as **%** =	**80% (I)**					**1.8**

Bank Material Adjustment:

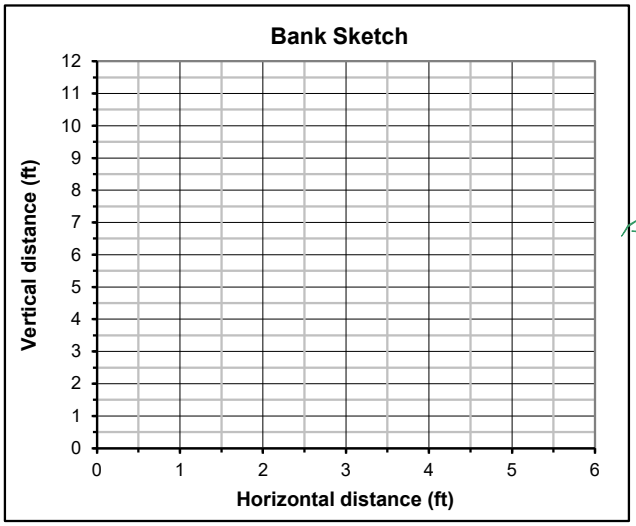
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

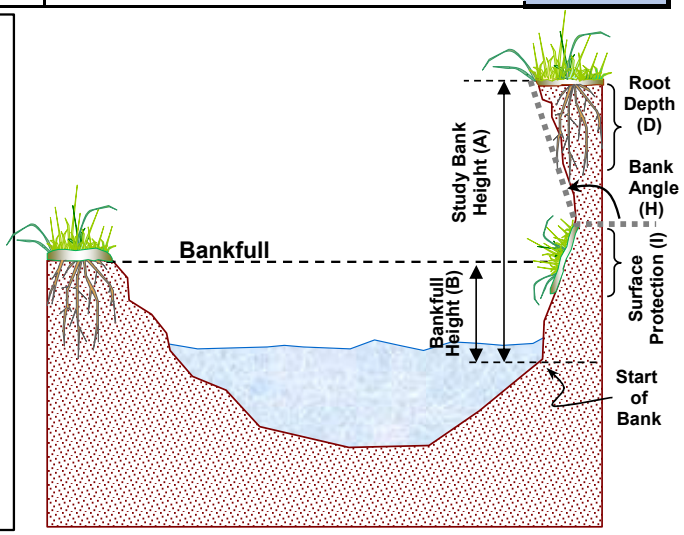
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **10.9**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**US Navy and Marine Reserve Center**
Station:	**Transect 115**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**27.86 (A)**	**Bankfull Height** (ft) =	**20.58 (B)**	(A) / (B) =	**1.35 (C)**	**5.0**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**27.86 (A)**	(D) / (A) =	**0.36 (E)**	**5.2**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**26.9203 (G)**	**6.2**
Bank Angle (H)						
Bank Angle as *Degrees* =			**32 (H)**			**2.5**
Surface Protection (I)						
Surface Protection as **%** =			**80% (I)**			**1.8**

Bank Material Adjustment:

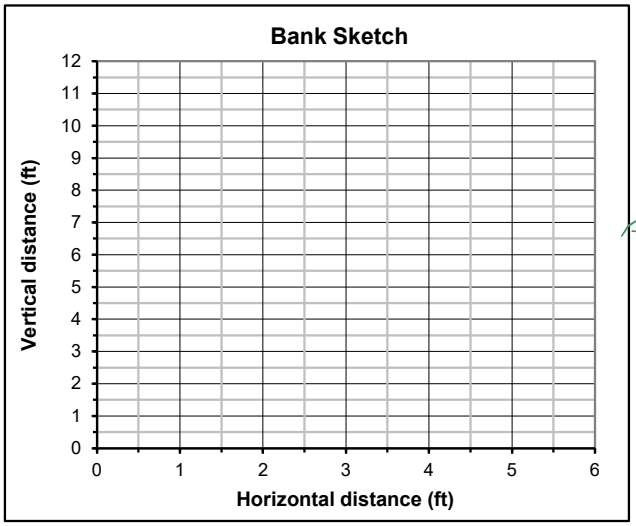
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

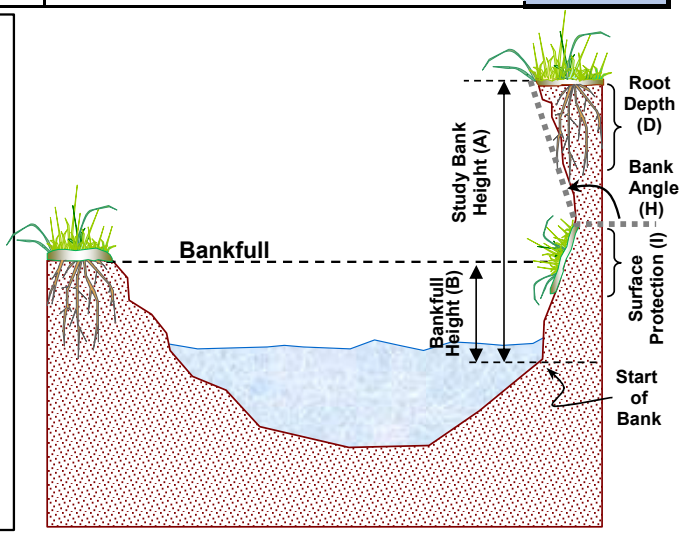
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **10.7**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**US Navy and Marine Reserve Center**
Station:	**Transect 116**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.96 (A)**	**Bankfull Height** (ft) =	**19.68 (B)**	(A) / (B) =	**1.37 (C)**	**5.0**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**26.96 (A)**	(D) / (A) =	**0.37 (E)**	**5.2**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**27.819 (G)**	**6.1**
Bank Angle (H)						
Bank Angle as *Degrees* =			**36 (H)**			**2.5**
Surface Protection (I)						
Surface Protection as **%** =			**80% (I)**			**1.8**

Bank Material Adjustment:

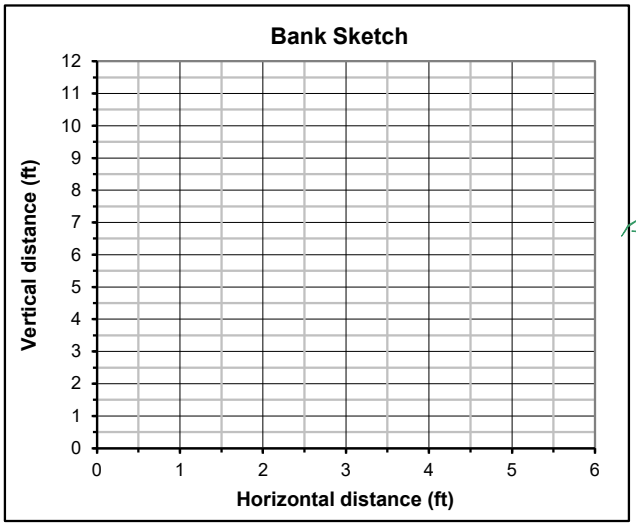
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

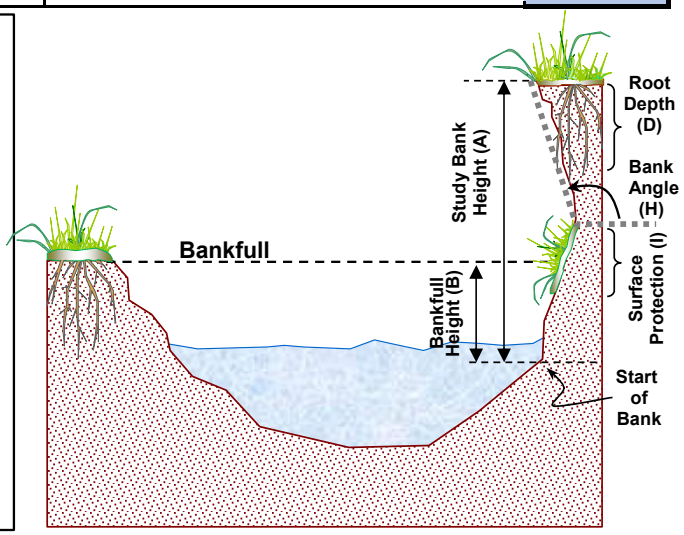
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **10.6**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**US Navy and Marine Reserve Center**
Station:	**Transect 117**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**26.46 (A)**	**Bankfull Height** (ft) =	**19.18 (B)**	(A) / (B) =	**1.38 (C)**	**5.1**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**26.46 (A)**	(D) / (A) =	**0.38 (E)**	**5.0**
Weighted Root Density (G)						
Root Density as **%** =			**75.00 (F)**	(F) x (E) =	**28.3447 (G)**	**6.1**
Bank Angle (H)						
Bank Angle as *Degrees* =			**38 (H)**			**2.8**
Surface Protection (I)						
Surface Protection as **%** =			**80% (I)**			**1.8**

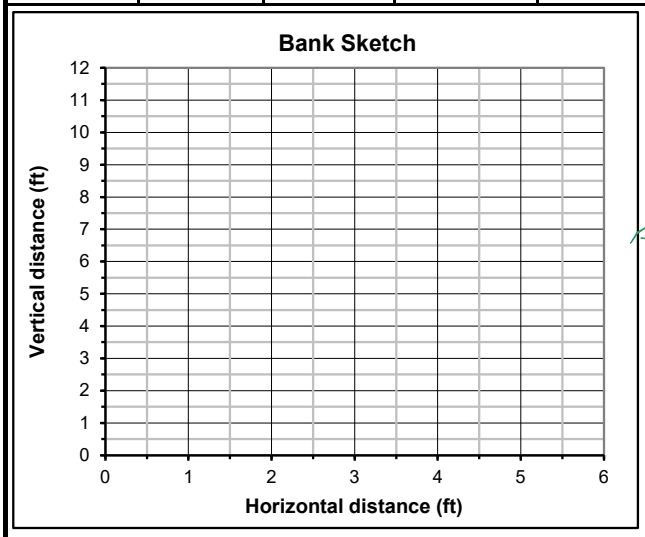
Bank Material Adjustment:

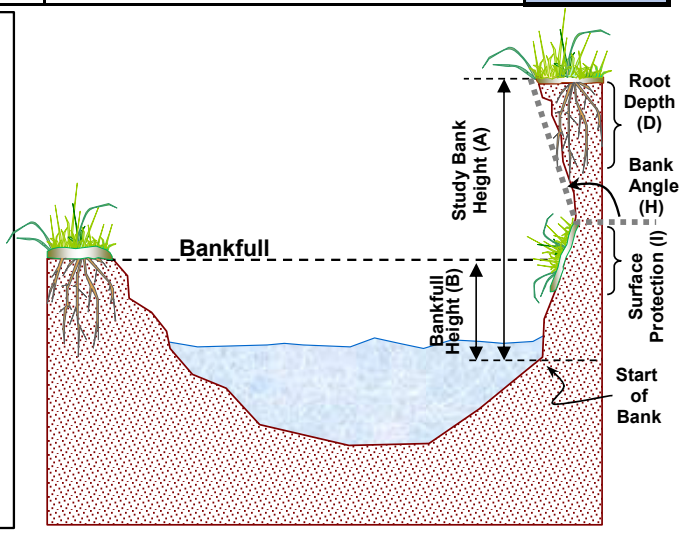
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Low** / **10.8**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**US Navy and Marine Reserve Center**
Station:	**Transect 118**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.66 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.58 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**25.66 (A)**	(D) / (A) =	**0.39 (E)**	**5.0**
Weighted Root Density (G)						
Root Density as **%** =	**80.00 (F)**			(F) x (E) =	**31.1769 (G)**	**5.8**
Bank Angle (H)						
Bank Angle as *Degrees* =	**34 (H)**					**2.6**
Surface Protection (I)						
Surface Protection as **%** =	**80% (I)**					**1.8**

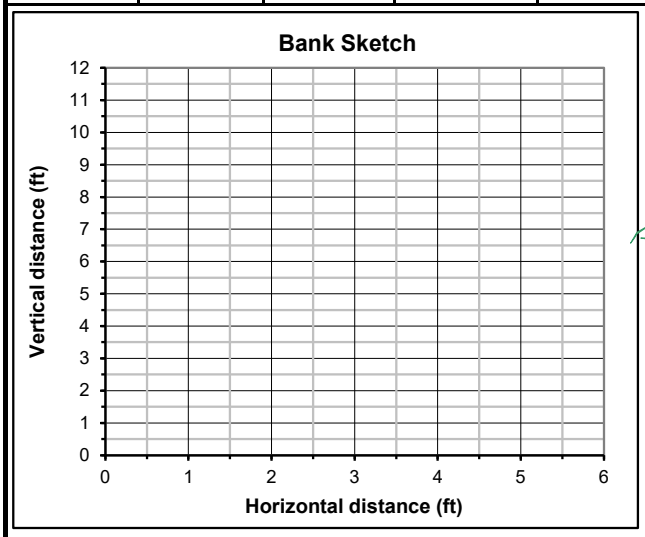
Bank Material Adjustment:

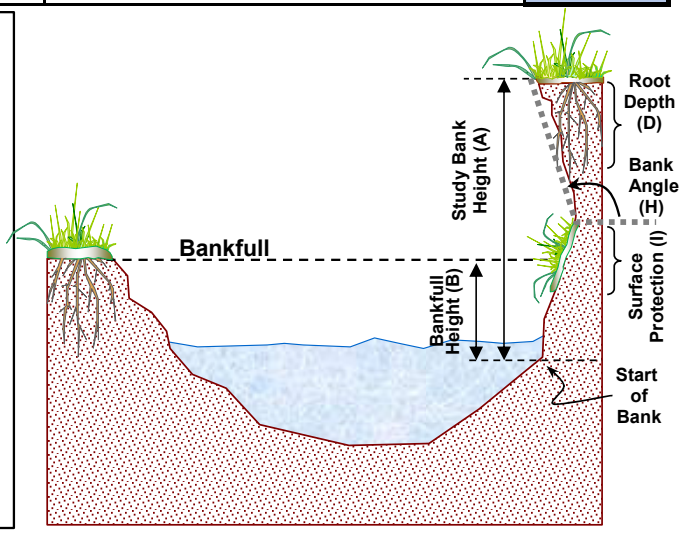
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Low** / **13.9**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**US Navy and Marine Reserve Center**
Station:	**Transect 119**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**27.96 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.81 (C)**	**9.0**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**27.96 (A)**	(D) / (A) =	**0.36 (E)**	**5.2**
Weighted Root Density (G)						
Root Density as **%** =			**65.00 (F)**	(F) x (E) =	**23.2475 (G)**	**6.9**
Bank Angle (H)						
Bank Angle as *Degrees* =			**34 (H)**			**2.6**
Surface Protection (I)						
Surface Protection as **%** =			**80% (I)**			**1.8**

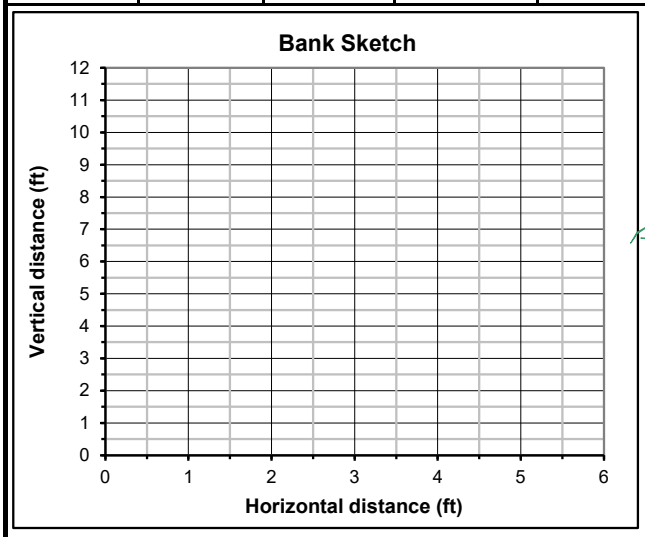
Bank Material Adjustment:

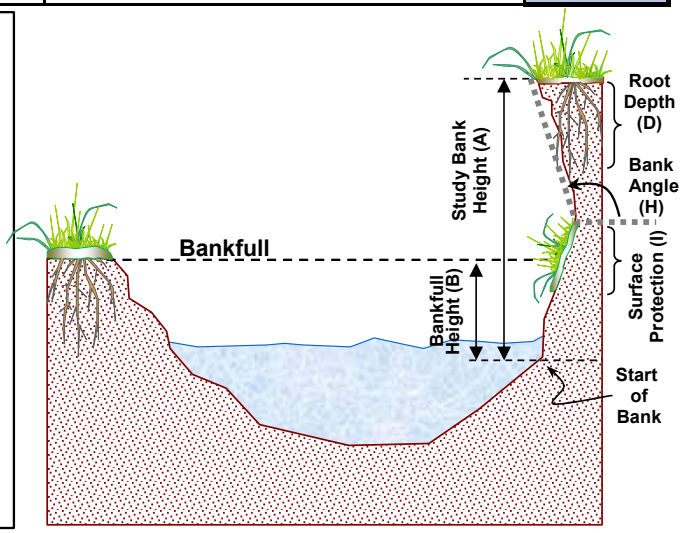
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Low** / **15.5**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**USCG MSU**
Station:	**Transect 120**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**27.66 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.78 (C)**	**8.9**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**27.66 (A)**	(D) / (A) =	**0.36 (E)**	**5.2**
Weighted Root Density (G)						
Root Density as **%** =			**65.00 (F)**	(F) x (E) =	**23.4996 (G)**	**6.9**
Bank Angle (H)						
Bank Angle as *Degrees* =			**34 (H)**			**2.6**
Surface Protection (I)						
Surface Protection as **%** =			**35% (I)**			**5.6**

Bank Material Adjustment:

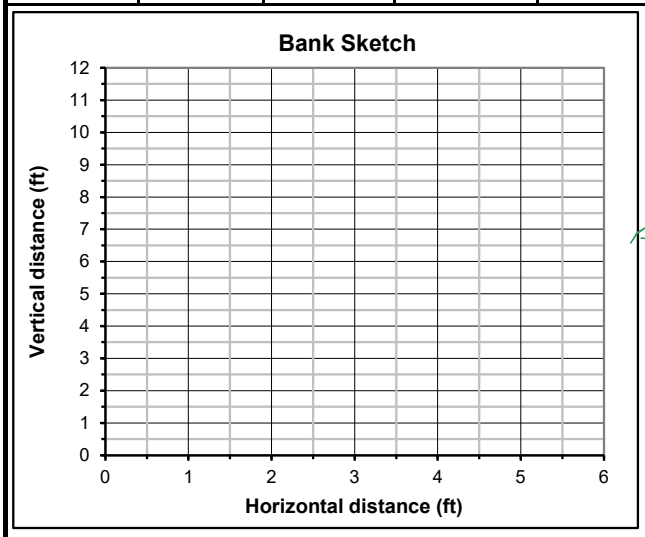
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

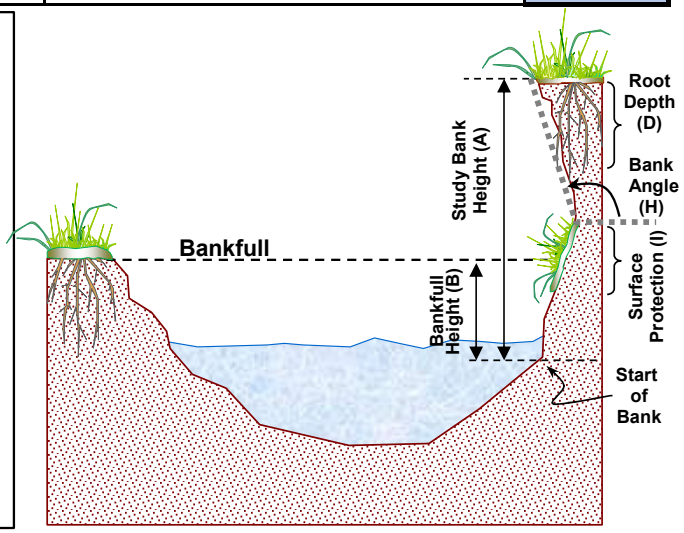
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **19.2**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**USCG MSU**
Station:	**Transect 121**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.26 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.44 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**3.00 (D)**	**Study Bank Height** (ft) =	**24.26 (A)**	(D) / (A) =	**0.12 (E)**	**8.3**
Weighted Root Density (G)						
Root Density as **%** =			**60.00 (F)**	(F) x (E) =	**7.41962 (G)**	**8.8**
Bank Angle (H)						
Bank Angle as *Degrees* =			**30 (H)**			**2.5**
Surface Protection (I)						
Surface Protection as **%** =			**55% (I)**			**3.8**

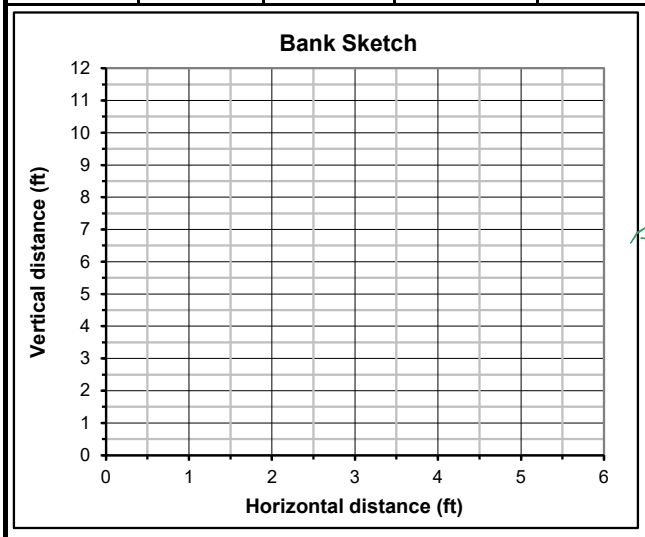
Bank Material Adjustment:

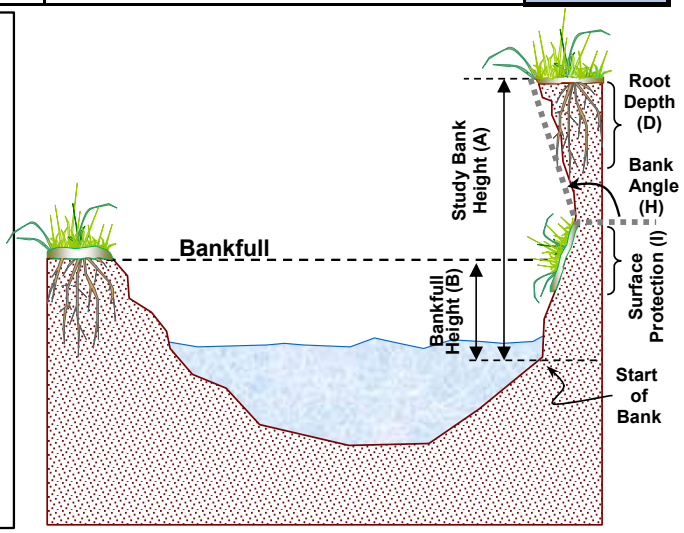
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*		
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**	**High** **31.9**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**USCG MSU**
Station:	**Transect 122**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**25.96 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.61 (C)**	**8.7**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**25.96 (A)**	(D) / (A) =	**0.39 (E)**	**5.0**
Weighted Root Density (G)						
Root Density as % =	**60.00 (F)**			(F) x (E) =	**23.1125 (G)**	**6.9**
Bank Angle (H)						
Bank Angle as *Degrees* =	**35 (H)**					**2.6**
Surface Protection (I)						
Surface Protection as % =	**70% (I)**					**2.8**

Bank Material Adjustment:

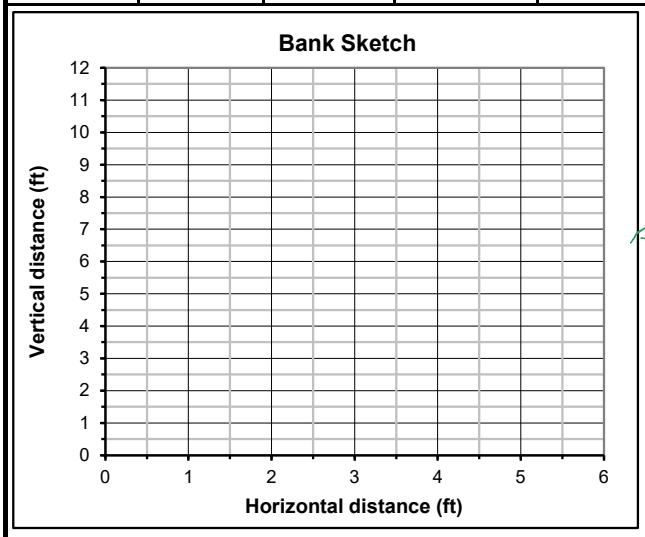
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

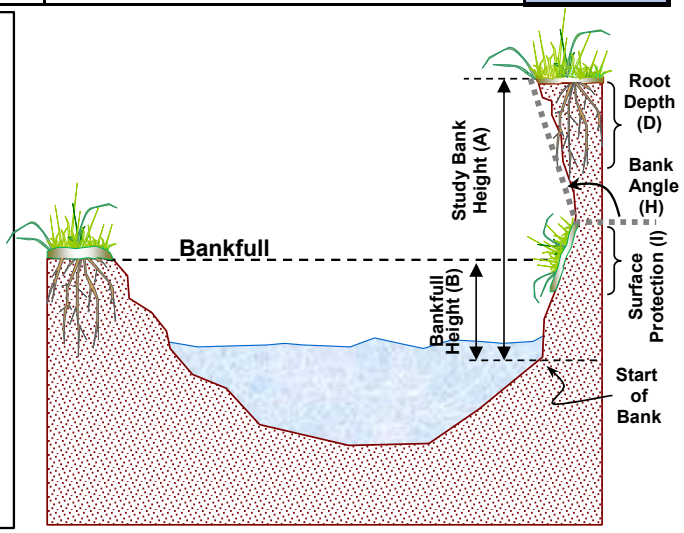
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating and Total Score**

Adjective Rating: **Low**
Total Score: **16.0**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**USCG MSU**
Station:	**Transect 123**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.16 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.43 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**24.16 (A)**	(D) / (A) =	**0.41 (E)**	**5.1**
Weighted Root Density (G)						
Root Density as **%** =			**23.00 (F)**	(F) x (E) =	**9.51987 (G)**	**8.9**
Bank Angle (H)						
Bank Angle as *Degrees* =			**36 (H)**			**2.7**
Surface Protection (I)						
Surface Protection as **%** =			**95% (I)**			**0.5**

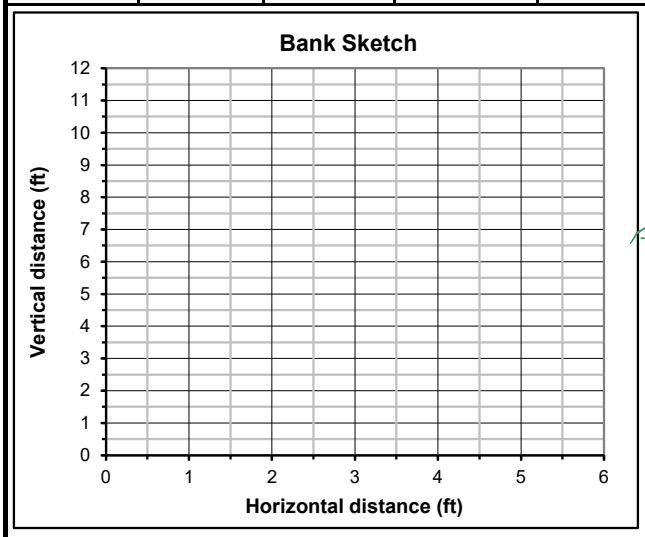
Bank Material Adjustment:

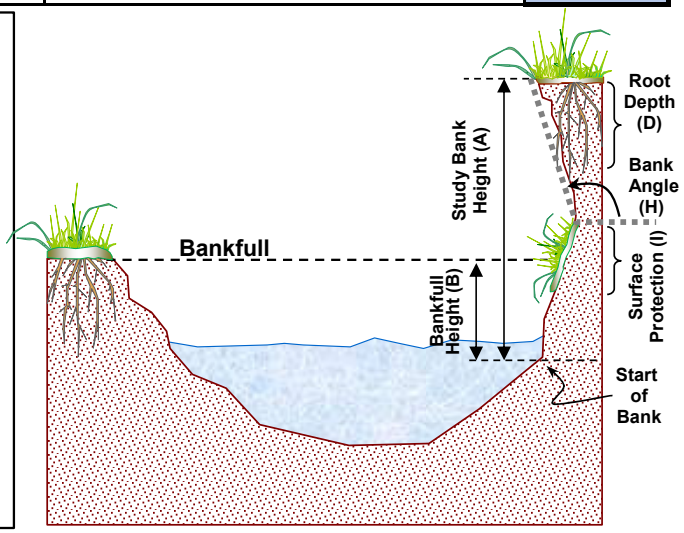
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	**Adjective Rating** and **Total Score**	**Low** / **15.7**
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50		





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**USCG MSU**
Station:	**Transect 124**	Observers:	**ORBIS, BWG, MM**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.45 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**24.36 (A)**	(D) / (A) =	**0.41 (E)**	**5.1**
Weighted Root Density (G)						
Root Density as **%** =			**27.00 (F)**	(F) x (E) =	**11.0837 (G)**	**8.7**
Bank Angle (H)						
Bank Angle as *Degrees* =			**36 (H)**			**2.7**
Surface Protection (I)						
Surface Protection as **%** =			**85% (I)**			**1.3**

Bank Material Adjustment:

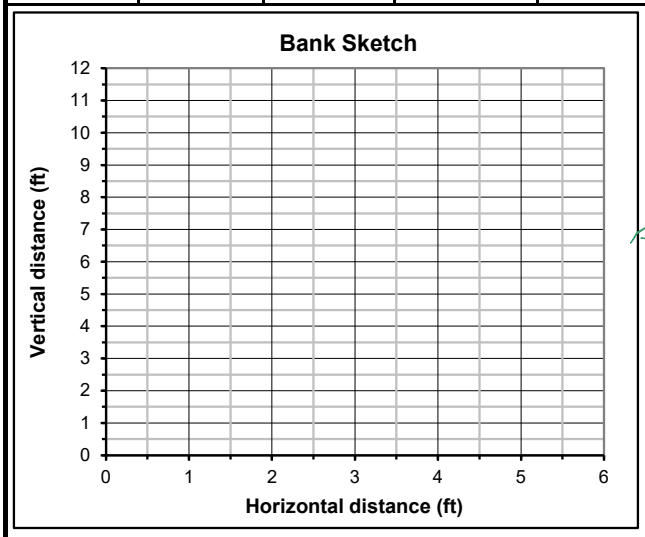
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

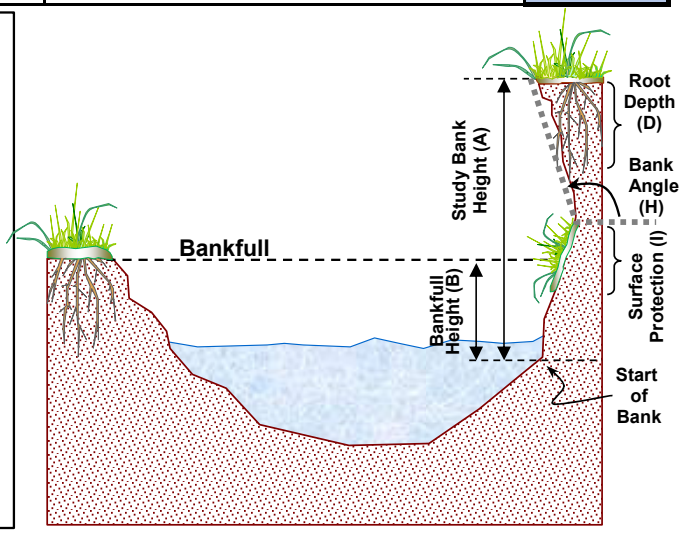
Bank Material Adjustment: **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **16.3**





Worksheet 3-11. Form to calculate an overall Bank Erosion Hazard Index (BEHI) rating. Use **Figure 3-7** to determine individual BEHI scores.

Stream:	**SIB**	Location:	**USCG MSU**
Station:	**Transect 125**	Observers:	**ORBIS, BWG, HGL**
Date:	**2/17/2022**	Stream Type:	Valley Type:

						BEHI Score (Fig. 3-7)
Study Bank Height to Bankfull Height (C)						
Study Bank Height (ft) =	**24.36 (A)**	**Bankfull Height** (ft) =	**9.94 (B)**	(A) / (B) =	**2.45 (C)**	**8.5**
Root Depth to Study Bank Height (E)						
Root Depth (ft) =	**10.00 (D)**	**Study Bank Height** (ft) =	**24.36 (A)**	(D) / (A) =	**0.41 (E)**	**5.1**
Weighted Root Density (G)						
Root Density as **%** =			**80.00 (F)**	(F) x (E) =	**32.8407 (G)**	**5.7**
Bank Angle (H)						
Bank Angle as *Degrees* =			**36 (H)**			**2.7**
Surface Protection (I)						
Surface Protection as **%** =			**95% (I)**			**0.5**

Bank Material Adjustment:

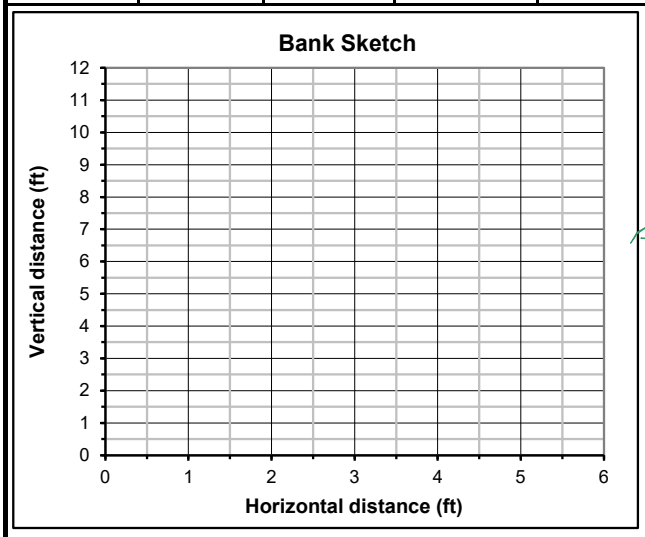
Bedrock (Overall *Very Low* BEHI)
Boulders (Overall *Low* BEHI)
Cobble (Subtract 10 points if uniform medium to large cobble)
Gravel or Composite Matrix (Add 5–10 points depending on percentage of bank material that is composed of sand)
Sand (Add 10 points)
Silt/Clay (no adjustment unless primarily clay, then subtract 20 points)

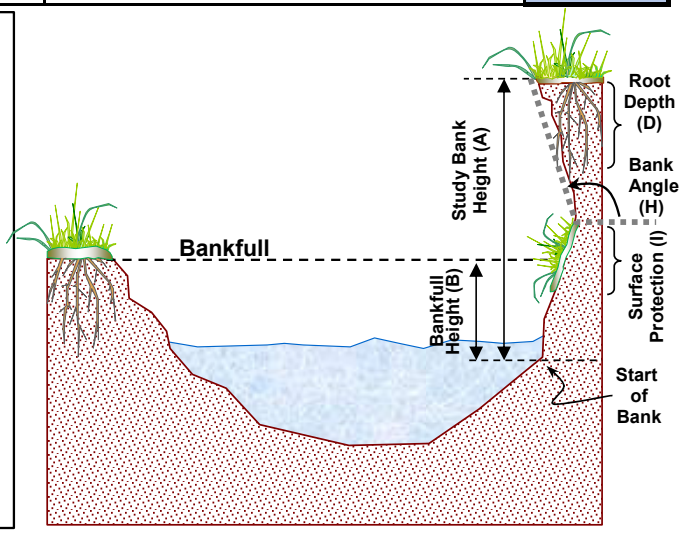
Bank Material Adjustment → **-10**

Stratification Adjustment
Add 5–10 points, depending on position of unstable layers in relation to bankfull stage

Very Low	*Low*	*Moderate*	*High*	*Very High*	*Extreme*	
5 – 9.5	10 – 19.5	20 – 29.5	30 – 39.5	40 – 45	46 – 50	**Adjective Rating** and **Total Score**

Adjective Rating: **Low**
Total Score: **12.5**





ATTACHMENT B
FIELD INVESTIGATION

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ATTACHMENT B.1
RIVERBANK SAMPLE COLLECTION SUMMARY TABLE

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Attachment B.1
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
000	TOB	45.565249	-122.724628	33.6	0-1	SIB-000-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56527583	-122.7248468	20.1	0-1	SIB-000-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
001	TOB	45.56544633	-122.7245908	33.6	0-1	SIB-001-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.565491	-122.724678	20.1	0-1	SIB-001-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
002	TOB	45.56567667	-122.7244073	34.8	0-1	SIB-002-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56572783	-122.7244523	20.1	0-1	SIB-002-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
003	TOB	45.56602783	-122.7242223	37.4	0-1	SIB-003-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56596933	-122.7243387	20.1	0-1	SIB-003-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
004	TOB	45.56627017	-122.7241852	36.8	0-1	SIB-004-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56623267	-122.7243248	20.1	0-1	SIB-004-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
	MLW	45.56629017	-122.7245347	4.93	0-1	SIB-004-MLW-0-1-10172022	X	X	X	X	X	X	X	X	X
005	TOB	45.56651417	-122.7241203	36.6	0-1	SIB-005-TOB-0-1-10172022	XD	XD	XD	XD	XD	XD	XD	XD	XD
	OHW	45.56655583	-122.7242727	20.1	0-1	SIB-005-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-005-OHW-1-2-10172022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.56658283	-122.7245977	4.99	0-1	SIB-005-MLW-0-1-10172022	X	X	X	X	X	X	X	X	X
006	TOB	45.56665183	-122.7240833	36.5	0-1	SIB-006-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56673567	-122.7241617	20.1	0-1	SIB-006-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
007	TOB	45.56661833	-122.7238007	36.8	0-1	SIB-007-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56673917	-122.7237842	20.1	0-1	SIB-007-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
008	TOB	45.56654167	-122.7234153	40.0	0-1	SIB-008-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56666167	-122.7233888	20.1	0-1	SIB-008-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
	MLW	45.56667983	-122.7233807	7.47	0-1	SIB-008-MLW-0-1-10172022	X	X	X	X	X	X	X	X	X
009	TOB	45.56645167	-122.7230422	40.3	0-1	SIB-009-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56656333	-122.7230393	20.1	0-1	SIB-009-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
010	TOB	45.566297	-122.722684	39.9	0-1	SIB-010-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.56646733	-122.7226508	20.1	0-1	SIB-010-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X
011	TOB	45.56650417	-122.7222082	32.3	0-1	SIB-011-TOB-0-1-10172022	X	X	X	X	X	X	X	X	X
	OHW	45.566495	-122.722225	20.1	0-1	SIB-011-OHW-0-1-10172022	X	X	X	X	X	X	X	X	X

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
012	MLW	45.566759	-122.722128	6.30	0-1	SIB-012-MLW-0-1-10172022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
013	MLW	45.566996	-122.721985	-19.48	0-1	SIB-013-MLW-0-1-10172022	X	X	X	X	X	X	X	X	X
014	MLW	45.56716217	-122.7217818	6.27	0-1	SIB-014-MLW-0-1-10172022	X	X	X	X	X	X	X	X	X
015 - 021	Sheetpile Wall - No Sample														
022	OHW	45.567872	-122.720337	20.1	0-1	SIB-022-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
	MLW	45.567942	-122.720257	5.43	0-1	SIB-022-MLW-0-1-10252022	X	X	X	X	X	X	X	X	X
023	OHW	45.567708	-122.720047	20.1	0-1	SIB-023-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
024	OHW	45.567543	-122.719711	20.1	0-1	SIB-024-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
025	OHW	45.567363	-122.719406	20.1	0-1	SIB-025-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
026	OHW	45.567212	-122.719096	20.1	0-1	SIB-026-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
027	OHW	45.567047	-122.718782	20.1	0-1	SIB-027-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
028	OHW	45.566875	-122.718477	20.1	0-1	SIB-028-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
029	OHW	45.566705	-122.718169	20.1	0-1	SIB-029-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
030	OHW	45.566536	-122.717861	20.1	0-1	SIB-030-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
	MLW	45.566594	-122.717798	5.34	0-1	SIB-030-MLW-0-1-10252022	X	X	X	X	X	X	X	X	X
031	OHW	45.566374	-122.71756	20.1	0-1	SIB-031-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
032	OHW	45.566194	-122.717255	20.1	0-1	SIB-032-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
033	OHW	45.566029	-122.716949	20.1	0-1	SIB-033-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
034	OHW	45.565864	-122.716629	20.1	0-1	SIB-034-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
	MLW	45.565928	-122.716556	6.95	0-1	SIB-034-MLW-0-1-10252022	X	X	X	X	X	X	X	X	X
035	OHW	45.565699	-122.716324	20.1	0-1	SIB-035-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
036	OHW	45.565526	-122.716002	20.1	0-1	SIB-036-OHW-0-1-10252022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
	MLW	45.565588	-122.715939	6.74	0-1	SIB-036-MLW-0-1-10252022	X	X	X	X	X	X	X	X	X
037	OHW	45.56536	-122.715696	20.1	0-1	SIB-037-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
	MLW	45.565422	-122.715634	6.72	0-1	SIB-037-MLW-0-1-10252022	X	X	X	X	X	X	X	X	X
038	OHW	45.5652415	-122.715407	20.1	0-1	SIB-038-OHW-0-1-10252022	X	X	X	X	X	X	X	X	X
	MLW	45.56526998	-122.7153014	4.28	0-1	SIB-038-MLW-0-1-10252022	X	X	X	X	X	X	X	X	X

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
039	OHW	45.565023	-122.715074	20.1	0-1	SIB-039-OHW-0-1-10252022	XD	XD	XD	XD	XD	XD	XD	XD	XD
	MLW	45.56509	-122.715015	6.74	0-1	SIB-039-MLW-0-1-10252022	X	X	X	X	X	X	X	X	X
040	OHW	45.564874	-122.714771	20.1	0-1	SIB-040-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
	MLW	45.564932	-122.714702	6.40	0-1	SIB-040-MLW-0-1-10242022	X	X	X	X	X	X	X	X	X
041	OHW	45.564701	-122.714467	20.1	0-1	SIB-041-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
	MLW	45.564764	-122.714391	6.64	0-1	SIB-041-MLW-0-1-10242022	X	X	X	X	X	X	X	X	X
042	OHW	45.56458	-122.714246	20.1	0-1	SIB-042-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-042-OHW-1-2-10242022	X	UA	UA	UA	UA	UA	UA	UA	UA
	MLW	45.564611	-122.714123	6.88	0-1	SIB-042-MLW-0-1-10242022	X	X	X	X	X	X	X	X	X
043	TOB	45.5644287	-122.7140493	34.6	0-1	SIB-043-TOB-0-1-10242022	X	X	X	X	X	X	X	X	X
	OHW	45.56449098	-122.7139861	20.1	0-1	SIB-043-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
044	TOB	45.56427902	-122.7137151	34.7	0-1	SIB-044-TOB-0-1-10242022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
	OHW	45.56422583	-122.7136962	20.1	0-1	SIB-044-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
045	TOB	45.56404	-122.713402	35.0	0-1	SIB-045-TOB-0-1-10242022	XD	XD	XD	XD	XD	XD	XD	XD	XD
	OHW	45.56408997	-122.7132655	20.1	0-1	SIB-045-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
046	TOB	45.56387	-122.713077	36.3	0-1	SIB-046-TOB-0-1-10242022	X	X	X	X	X	X	X	X	X
	OHW	45.56393643	-122.7129649	20.1	0-1	SIB-046-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
047	TOB	45.563719	-122.712781	36.4	0-1	SIB-047-TOB-0-1-10242022	X	X	X	X	X	X	X	X	X
	OHW	45.56379541	-122.7127393	20.08	0-1	SIB-047-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
048	TOB	45.563549	-122.712459	35.1	0-1	SIB-048-TOB-0-1-10242022	X	X	X	X	X	X	X	X	X
	OHW	45.56363144	-122.7123605	20.1	0-1	SIB-048-OHW-0-1-10242022	X	X	X	X	X	X	X	X	X
	MLW	45.563645	-122.712348	6.64	0-1	SIB-048-MLW-0-1-10242022	X	X	X	X	X	X	X	X	X
049	TOB	45.56338383	-122.7121667	35.6	0-1	SIB-049-TOB-0-1-10202022	X	X	X	X	X	X	X	X	X
	OHW	45.563433	-122.712088	20.1	0-1	SIB-049-OHW-0-1-10202022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				19.1	1-2	SIB-049-OHW-1-2-10202022	X	UA	UA	UA	UA	A	A	A	A

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
050	TOB	45.563211	-122.711841	36.1	0-1	SIB-050-TOB-0-1-10202022	X	X	X	X	X	X	X	X	X
	OHW	45.563263	-122.711783	20.1	0-1	SIB-050-OHW-0-1-10202022	X	X	X	X	X	X	X	X	X
051	TOB	45.56307617	-122.7114975	35.0	0-1	SIB-051-TOB-0-1-10202022	X	X	X	X	X	X	X	X	X
	OHW	45.56314333	-122.7114922	20.1	0-1	SIB-051-OHW-0-1-10202022	X	X	X	X	X	X	X	X	X
052	TOB	45.562881	-122.711252	35.3	0-1	SIB-052-TOB-0-1-10202022	X	X	X	X	X	X	X	X	X
	OHW	45.56293	-122.711161	20.1	0-1	SIB-052-OHW-0-1-10202022	X	X	X	X	X	X	X	X	X
053	TOB	45.56276	-122.710926	34.6	0-1	SIB-053-TOB-0-1-10202022	X	X	X	X	X	X	X	X	X
	OHW	45.56277717	-122.7108175	20.1	0-1	SIB-053-OHW-0-1-10202022	X	X	X	X	X	X	X	X	X
	MLW	45.56280583	-122.710783	5.32	0-1	SIB-053-MLW-0-1-10202022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
054	TOB	45.562507	-122.7106638	34.9	0-1	SIB-054-TOB-0-1-10192022	X	X	X	X	X	X	X	X	X
	OHW	45.5626375	-122.7105788	20.1	0-1	SIB-054-OHW-0-1-10192022	X	X	X	X	X	X	X	X	X
055	TOB	45.5623565	-122.7102857	34.9	0-1	SIB-055-TOB-0-1-10192022	X	X	X	X	X	X	X	X	X
	OHW	45.56243217	-122.7102637	20.1	0-1	SIB-055-OHW-0-1-10192022	X	X	X	X	X	X	X	X	X
056	TOB	45.5622125	-122.7099727	34.5	0-1	SIB-056-TOB-0-1-10192022	X	X	X	X	X	X	X	X	X
	OHW	45.56226517	-122.7098735	20.1	0-1	SIB-056-OHW-0-1-10192022	X	X	X	X	X	X	X	X	X
	MLW	45.56230783	-122.7098657	7.57	0-1	SIB-056-MLW-0-1-10192022	X	X	X	X	X	X	X	X	X
057	TOB	45.56205317	-122.7097312	35.2	0-1	SIB-057-TOB-0-1-10192022	X	X	X	X	X	X	X	X	X
				8.22	1-2	SIB-057-TOB-1-2-10192022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.56206183	-122.7096267	20.1	0-1	SIB-057-OHW-0-1-10192022	X	X	X	X	X	X	X	X	X
	MLW	45.56212983	-122.7095763	8.22	0-1	SIB-057-MLW-0-1-10192022	X	X	X	X	X	X	X	X	X
058	OHW	45.561943	-122.709288	20.1	0-1	SIB-058-OHW-0-1-10192022	X	X	X	X	X	X	X	X	X
	MLW	45.561982	-122.709247	6.36	0-1	SIB-058-MLW-0-1-10192022	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS
059	OHW	45.5616952	-122.7089525	20.1	0-1	SIB-059-OHW-0-1-10192022	X	X	X	X	X	X	X	X	X
	MLW	45.5618393	-122.7090173	10.53	0-1	SIB-059-MLW-0-1-10192022	X	X	X	X	X	X	X	X	X
060	OHW	45.561598	-122.708685	20.1	0-1	SIB-060-OHW-0-1-10192022	X	X	X	X	X	X	X	X	X
	MLW	45.561651	-122.70862	6.98	0-1	SIB-060-MLW-0-1-10192022	X	X	X	X	X	X	X	X	X
061	OHW	45.561435	-122.708384	20.1	0-1	SIB-061-OHW-0-1-10192022	X	X	X	X	X	X	X	X	X
	MLW	45.561496	-122.708323	6.76	0-1	SIB-061-MLW-0-1-10192022	X	X	X	X	X	X	X	X	X

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
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Transect	Sample Type	Actual Coordinates (NAD83)		Elevation	Sample Depth (ft bgs)	Sample ID	Grain Size	TPH-Diesel (NWTPH-Dx), TOC	SVOCs (8270D), PAHs (8270-SIM)	Pesticides (E1699M)	Tributyltin (ALS SOP)	$PCB^{Congeners}$ (1668)	Dioxins/ Furans (E1613B)	$PCB_{Aroclor}$ (8082A)	Metals (6020B) + Mercury (7471B)
							GRI	ALS	ALS	ALS	ALS	CFA	CFA	ARI	ARI
		Latitude	Longitude	(NAVD88)											
062	TOB	45.56113117	-122.7081578	36.5	0-1	SIB-062-TOB-0-1-10182022	X	X	X	X	X	X	X	X	X
	OHW	45.56128133	-122.7081062	20.1	0-1	SIB-062-OHW-0-1-10182022	X	X	X	X	X	X	X	X	X
	MLW	45.56130383	-122.7079908	6.53	0-1	SIB-062-MLW-0-1-10182022	X	X	X	X	X	X	X	X	X
				5.53	1-2	SIB-062-MLW-1-2-10182022	X	A	UA	UA	UA	UA	A	A	A
063	TOB	45.56095667	-122.7079392	36.3	0-1	SIB-063-TOB-0-1-10182022	X	X	X	X	X	X	X	X	X
	OHW	45.56102117	-122.7078448	20.1	0-1	SIB-063-OHW-0-1-10182022	X	X	X	X	X	X	X	X	X
	MLW	45.56111867	-122.7077927	8.14	0-1	SIB-063-MLW-0-1-10182022	X	X	X	X	X	X	X	X	X
				7.14	1-2	SIB-063-MLW-1-2-10182022	X	A	A	UA	UA	UA	A	A	A
064	TOB	45.56100283	-122.7074153	35.8	0-1	SIB-064-TOB-0-1-10182022	X	X	X	X	X	X	X	X	X
				34.8	1-2	SIB-064-TOB-1-2-10182022	X	UA	UA	UA	UA	UA	UA	A	UA
				33.8	2-3	SIB-064-TOB-2-3-10182022	X	UA	UA	UA	UA	UA	UA	A	UA
	OHW	45.56107867	-122.7075313	20.1	0-1	SIB-064-OHW-0-1-10182022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-064-OHW-1-2-10182022	X	UA	UA	UA	UA	UA	UA	UA	UA
				18.1	2-3	SIB-064-OHW-2-3-10182022	X	UA	UA	UA	UA	UA	UA	UA	UA
	MLW	45.56121033	-122.7077532	7.21	0-1	SIB-064-MLW-0-1-10182022	X	X	X	X	X	X	X	X	X
				6.21	1-2	SIB-064-MLW-1-2-10182022	X	UA	UA	UA	UA	A	A	A	UA
065	TOB	45.56121683	-122.7071847	33.4	0-1	SIB-065-TOB-0-1-10182022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				32.4	1-2	SIB-065-TOB-1-2-10182022	X	UA	UA	UA	UA	UA	UA	UA	UA
				31.4	2-3	SIB-065-TOB-2-3-10182022	X	UA	UA	UA	UA	UA	UA	UA	UA
	OHW	45.56129467	-122.7072718	20.1	0-1	SIB-065-OHW-0-1-10182022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				19.1	1-2	SIB-065-OHW-1-2-10182022	X	UA	UA	UA	UA	UA	A	UA	UA
				18.1	2-3	SIB-065-OHW-2-3-10182022	X	UA	UA	UA	UA	UA	A	UA	UA
	MLW	45.561379	-122.707446	7.09	0-1	SIB-065-MLW-0-1-10182022	X	X	X	X	X	X	X	X	X
				6.09	1-2	SIB-065-MLW-1-2-10182022	X	UA	UA	UA	UA	UA	UA	UA	UA

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
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Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83)		Elevation	Sample Depth (ft bgs)	Sample ID	Grain Size	TPH-Diesel (NWTPH-Dx), TOC	SVOCs (8270D), PAHs (8270-SIM)	Pesticides (E1699M)	Tributyltin (ALS SOP)	$PCB^{Congeners}$ (1668)	Dioxins/ Furans (E1613B)	$PCB_{Aroclor}$ (8082A)	Metals (6020B) + Mercury (7471B)
							GRI	ALS	ALS	ALS	ALS	CFA	CFA	ARI	ARI
		Latitude	Longitude	(NAVD88)											
066	TOB	45.56148233	-122.7069127	30.7	0-1	SIB-066-TOB-0-1-10182022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				29.7	1-2	SIB-066-TOB-1-2-10182022	X	UA	UA	UA	UA	A	A	A	UA
				28.7	2-3	SIB-066-TOB-2-3-10182022	X	UA	UA	UA	UA	UA	A	A	UA
	OHW	45.56154033	-122.7070432	20.1	0-1	SIB-066-OHW-0-1-10182022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				19.1	1-2	SIB-066-OHW-1-2-10182022	X	UA	UA	UA	UA	A	A	A	A
				18.1	2-3	SIB-066-OHW-2-3-10182022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.56159667	-122.7073597		0-1	SIB-066-MLW-0-1-10182022	X	X	X	X	X	X	X	X	X
					1-2	SIB-066-MLW-1-2-10182022	X	UA	UA	UA	UA	UA	A	UA	UA
067	TOB	45.56168483	-122.7067667	31.5	0-1	SIB-067-TOB-0-1-10142022	X	X	X	X	X	X	X	X	X
				30.5	1-2	SIB-067-TOB-1-2-10142022	X	UA	UA	UA	UA	UA	A	UA	UA
				29.5	2-3	SIB-067-TOB-2-3-10142022	X	UA	UA	UA	UA	UA	A	UA	UA
	OHW	45.56175967	-122.7068473	20.1	0-1	SIB-067-OHW-0-1-10142022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-067-OHW-1-2-10142022	X	UA	UA	UA	UA	UA	A	A	UA
				18.1	2-3	SIB-067-OHW-2-3-10142022	X	UA	UA	UA	UA	A	A	A	UA
	MLW	45.56180717	-122.7069587	5.28	0-1	SIB-067-MLW-0-1-10142022	X	X	X	X	X	X	X	X	X
				4.28	1-2	SIB-067-MLW-1-2-10142022	X	UA	UA	UA	UA	UA	A	A	UA
068	TOB	45.56198183	-122.7065883	31.0	0-1	SIB-068-TOB-0-1-10142022	X	X	X	X	X	X	X	X	X
				30.0	1-2	SIB-068-TOB-1-2-10142022	X	UA	UA	UA	UA	UA	A	UA	UA
				29.0	2-3	SIB-068-TOB-2-3-10142022	X	UA	UA	UA	UA	UA	A	UA	UA
	OHW	45.56200667	-122.7067087	20.1	0-1	SIB-068-OHW-0-1-10142022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-068-OHW-1-2-10142022	X	UA	UA	UA	UA	A	A	UA	UA
	MLW	45.56205583	-122.7068582	7.34	0-1	SIB-068-MLW-0-1-10142022	X	X	X	X	X	X	X	X	X
				6.34	1-2	SIB-068-MLW-1-2-10142022	X	UA	UA	UA	UA	UA	UA	UA	UA
069	TOB	45.56218883	-122.7063963	30.7	0-1	SIB-069-TOB-0-1-10142022	X	X	X	X	X	X	X	X	X
	OHW	45.56223267	-122.7065085	20.1	0-1	SIB-069-OHW-0-1-10142022	X	X	X	X	X	X	X	X	X
	MLW	45.56229317	-122.7066173	5.24	0-1	SIB-069-MLW-0-1-10142022	X	X	X	X	X	X	X	X	X

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
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Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
070	OHW	45.56248867	-122.706163	20.1	0-1	SIB-070-OHW-0-1-10132022	X	X	X	X	X	X	X	X	X
	MLW	45.56255667	-122.7064323	6.40	0-1	SIB-070-MLW-0-1-10132022	X	X	X	X	X	X	X	X	X
071	TOB	45.56272667	-122.7059978	31.8	0-1	SIB-071-TOB-0-1-10132022	X	X	X	X	X	X	X	X	X
	OHW	45.562665	-122.7061247	20.1	0-1	SIB-071-OHW-0-1-10132022	X	X	X	X	X	X	X	X	X
	MLW	45.56262467	-122.7066313	3.57	0-1	SIB-071-MLW-0-1-10132022	X	X	X	X	X	X	X	X	X
072	TOB	45.5630701	-122.7063364	34.6	0-1	SIB-072-TOB-0-1-10132022	X	X	X	X	X	X	X	X	X
				33.6	1-2	SIB-072-TOB-1-2-10132022	X	A	A	A	UA	A	A	A	A
				32.6	2-3	SIB-072-TOB-2-3-10132022	X	A	A	A	UA	UA	A	A	A
	OHW	45.56304	-122.7064038	20.1	0-1	SIB-072-OHW-0-1-10132022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-072-OHW-1-2-10132022	X	UA	A	A	UA	UA	A	A	A
	MLW	45.56287183	-122.7066903	8.35	0-1	SIB-072-MLW-0-1-10132022	X	X	X	X	X	X	X	X	X
				7.35	1-2	SIB-072-MLW-1-2-10132022	X	UA	UA	UA	UA	UA	A	A	UA
073	TOB	45.5632912	-122.7067377	33.9	0-1	SIB-073-TOB-0-1-10132022	X	X	X	X	X	X	X	X	X
				32.9	1-2	SIB-073-TOB-1-2-10132022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.5632381	-122.7067303	20.1	0-1	SIB-073-OHW-0-1-10132022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-073-OHW-1-2-10132022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.56306067	-122.7069807	10.09	0-1	SIB-073-MLW-0-1-10132022	XD	XD	XD	XD	XD	XD	XD	XD	XD
074	TOB	45.5633879	-122.706839	33.9	0-1	SIB-074-TOB-0-1-10132022	X	X	X	X	X	X	X	X	X
				32.9	1-2	SIB-074-TOB-1-2-10132022	X	UA	UA	A	UA	UA	A	A	A
	OHW	45.56336583	-122.7070353	20.1	0-1	SIB-074-OHW-0-1-10132022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-074-OHW-1-2-10132022	X	UA	UA	UA	UA	A	A	A	UA
	MLW	45.56310767	-122.7071132	8.5	0-1	SIB-074-MLW-0-1-10132022	X	X	X	X	X	X	X	X	X
075	TOB	45.56361533	-122.7072373	32.7	0-1	SIB-075-TOB-0-1-10132022	X	X	X	X	X	X	X	X	X
				31.7	1-2	SIB-075-TOB-1-2-10132022	X	UA	UA	A	UA	UA	A	A	A
	OHW	45.563454	-122.707348	20.1	0-1	SIB-075-OHW-0-1-10132022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				19.1	1-2	SIB-075-OHW-1-2-10132022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.56331767	-122.7074973	8.53	0-1	SIB-075-MLW-0-1-10132022	X	X	X	X	X	X	X	X	X

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
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Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
076	TOB	45.563776	-122.707479	32.9	0-1	SIB-076-TOB-0-1-10122022	X	X	X	X	X	X	X	X	X
				31.9	1-2	SIB-076-TOB-1-2-10122022	X	UA	A	A	UA	UA	A	A	A
	OHW	45.56361917	-122.7076793	20.1	0-1	SIB-076-OHW-0-1-10122022	X	X	X	X	X	X	X	X	X
	MLW	45.563466	-122.707835	7.48	0-1	SIB-076-MLW-0-1-10122022	X	X	X	X	X	X	X	X	X
				6.48	1-2	SIB-076-MLW-1-2-10122022	X	A	A	UA	UA	A	A	UA	A
077	TOB	45.563929	-122.707814	34.3	0-1	SIB-077-TOB-0-1-10122022	X	X	X	X	X	X	X	X	X
	OHW	45.563802	-122.707954	20.1	0-1	SIB-077-OHW-0-1-10122022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-077-OHW-1-2-10122022	X	UA	A	A	UA	UA	A	A	A
	MLW	45.56363133	-122.7081662	7.09	0-1	SIB-077-MLW-0-1-10122022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				6.09	1-2	SIB-077-MLW-1-2-10122022	X	UA	A	UA	UA	UA	A	A	A
078	TOB	45.56409583	-122.7083028	32.4	0-1	SIB-078-TOB-0-1-10122022	X	X	X	X	X	X	X	X	X
	OHW	45.5639245	-122.7084465	20.1	0-1	SIB-078-OHW-0-1-10122022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-078-OHW-1-2-10122022	X	UA	UA	UA	UA	A	A	A	UA
	MLW	45.56383283	-122.7085485	6.98	0-1	SIB-078-MLW-0-1-10122022	X	X	X	X	X	X	X	X	X
079	TOB	45.5641576	-122.7084067	33.4	0-1	SIB-079-TOB-0-1-10122022	X	X	X	X	X	X	X	X	X
				32.4	1-2	SIB-079-TOB-1-2-10122022	X	UA	A	UA	UA	UA	A	A	A
	OHW	45.564091	-122.708612	20.1	0-1	SIB-079-OHW-0-1-10122022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-079-OHW-1-2-10122022	X	UA	A	UA	UA	UA	A	A	A
	MLW	45.56402133	-122.7087483	7.80	0-1	SIB-079-MLW-0-1-10122022	X	X	X	X	X	X	X	X	X
				6.80	1-2	SIB-079-MLW-1-2-10122022	X	A	A	UA	UA	UA	A	A	A
080	TOB	45.56435417	-122.7087333	34.9	0-1	SIB-080-TOB-0-1-10122022	X	X	X	X	X	X	X	X	X
	OHW	45.56435567	-122.7089217	20.1	0-1	SIB-080-OHW-0-1-10122022	X	X	X	X	X	X	X	X	X
	MLW	45.56422567	-122.7089872	7.61	0-1	SIB-080-MLW-0-1-10122022	X	X	X	X	X	X	X	X	X
				6.61	1-2	SIB-080-MLW-1-2-10122022	X	UA	A	UA	UA	A	A	A	UA

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
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Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83)		Elevation	Sample Depth (ft bgs)	Sample ID	Grain Size	TPH-Diesel (NWTPH-Dx), TOC	SVOCs (8270D), PAHs (8270-SIM)	Pesticides (E1699M)	Tributyltin (ALS SOP)	$PCB^{Congeners}$ (1668)	Dioxins/ Furans (E1613B)	$PCB_{Aroclor}$ (8082A)	Metals (6020B) + Mercury (7471B)
							GRI	ALS	ALS	ALS	ALS	CFA	CFA	ARI	ARI
		Latitude	Longitude	(NAVD88)											
081	TOB	45.56456033	-122.7091023	37.5	0-1	SIB-081-TOB-0-1-10122022	X	X	X	X	X	X	X	X	X
				36.5	1-2	SIB-081-TOB-1-2-10122022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.56448783	-122.7091848	20.1	0-1	SIB-081-OHW-0-1-10122022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				19.1	1-2	SIB-081-OHW-1-2-10122022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.56442483	-122.7092803	10.9	0-1	SIB-081-MLW-0-1-10122022	X	X	X	X	X	X	X	X	X
				9.86	1-2	SIB-081-MLW-1-2-10122022	X	UA	UA	UA	UA	UA	UA	A	A
082	TOB	45.56479933	-122.7093727	38.9	0-1	SIB-082-TOB-0-1-10112022	X	X	X	X	X	X	X	X	X
	OHW	45.564664	-122.709414	20.1	0-1	SIB-082-OHW-0-1-10112022	X	X	X	X	X	X	X	X	X
	MLW	45.56451433	-122.7096077	7.08	0-1	SIB-082-MLW-0-1-10112022	X	X	X	X	X	X	X	X	X
				6.08	1-2	SIB-082-MLW-1-2-10112022	X	UA	UA	UA	UA	A	UA	UA	A
083	TOB	45.56492983	-122.7097027	36.3	0-1	SIB-083-TOB-0-1-10112022	X	X	X	X	X	X	X	X	X
				35.3	1-2	SIB-083-TOB-1-2-10112022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.56481017	-122.7097527	20.1	0-1	SIB-083-OHW-0-1-10112022	X	X	X	X	X	X	X	X	X
	MLW	45.56476667	-122.7098095	8.00	0-1	SIB-083-MLW-0-1-10112022	X	X	X	X	X	X	X	X	X
084	TOB	45.56507621	-122.7099514	37.3	0-1	SIB-084-TOB-0-1-10112022	X	X	X	X	X	X	X	X	X
				36.3	1-2	SIB-084-TOB-1-2-10112022	X	UA	UA	UA	UA	A	A	A	UA
	OHW	45.5651014	-122.7100012	20.1	0-1	SIB-084-OHW-0-1-10112022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-084-OHW-1-2-10112022	X	UA	UA	UA	UA	UA	A	A	UA
	MLW	45.56502785	-122.7100667	15.5	0-1	SIB-084-MLW-0-1-10112022	X	X	X	X	X	X	X	X	X
				14.5	1-2	SIB-084-MLW-1-2-10112022	X	UA	A	UA	UA	UA	A	UA	A
085	TOB	45.56520567	-122.7103183	35.4	0-1	SIB-085-TOB-0-1-10112022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				34.4	1-2	SIB-085-TOB-1-2-10112022	X	UA	UA	A	UA	UA	A	A	A
				33.4	2-3	SIB-085-TOB-2-3-10112022	X	UA	UA	A	UA	A	A	A	A
	OHW	45.565176	-122.710322	20.1	0-1	SIB-085-OHW-0-1-10112022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-085-OHW-1-2-10112022	X	UA	UA	UA	UA	UA	A	A	UA
	MLW	45.565072	-122.710427	7.42	0-1	SIB-085-MLW-0-1-10112022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				6.42	1-2	SIB-085-MLW-1-2-10112022	X	UA	A	UA	UA	UA	UA	UA	A

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
086	TOB	45.565427	-122.710552	35.1	0-1	SIB-086-TOB-0-1-10112022	X	X	X	X	X	X	X	X	X
	OHW	45.565341	-122.710636	20.1	0-1	SIB-086-OHW-0-1-10112022	X	X	X	X	X	X	X	X	X
	MLW	45.565223	-122.71075	7.02	0-1	SIB-086-MLW-0-1-10112022	X	X	X	X	X	X	X	X	X
				6.02	1-2	SIB-086-MLW-1-2-10112022	X	UA	UA	UA	UA	UA	A	A	UA
087	TOB	45.56558033	-122.7108992	34.2	0-1	SIB-087-TOB-0-1-10102022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				33.2	1-2	SIB-087-TOB-1-2-10102022	X	UA	UA	UA	UA	UA	A	A	A
				32.2	2-3	SIB-087-TOB-2-3-10102022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.56549183	-122.7109898	20.1	0-1	SIB-087-OHW-0-1-10102022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-087-OHW-1-2-10102022	X	UA	UA	UA	UA	UA	A	A	UA
				18.1	2-3	SIB-087-OHW-2-3-10102022	X	UA	UA	UA	UA	A	A	A	UA
	MLW	45.56532333	-122.7111437	8.48	0-1	SIB-087-MLW-0-1-10102022	X	X	X	X	X	X	X	X	X
				7.48	1-2	SIB-087-MLW-1-2-10102022	X	UA	A	UA	UA	UA	A	UA	A
088	TOB	45.56572883	-122.7111507	32.6	0-1	SIB-088-TOB-0-1-10102022	X	X	X	X	X	X	X	X	X
	OHW	45.56568517	-122.7111907	20.1	0-1	SIB-088-OHW-0-1-10102022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-088-OHW-1-2-10102022	X	UA	UA	UA	UA	A	A	A	A
	MLW	45.56542017	-122.7114373	7.90	0-1	SIB-088-MLW-0-1-10102022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				6.90	1-2	SIB-088-MLW-1-2-10102022	X	UA	UA	UA	UA	UA	A	UA	A
089	TOB	45.56590483	-122.7114838	32.2	0-1	SIB-089-TOB-0-1-10102022	X	X	X	X	X	X	X	X	X
	OHW	45.56586633	-122.7115282	20.1	0-1	SIB-089-OHW-0-1-10102022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-089-OHW-1-2-10102022	X	UA	A	A	UA	UA	A	A	A
	MLW	45.56559617	-122.7117022	8.79	0-1	SIB-089-MLW-0-1-10102022	X	X	X	X	X	X	X	X	X
				7.79	1-2	SIB-089-MLW-1-2-10102022	X	UA	UA	UA	UA	UA	A	A	A

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83)		Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
		Latitude	Longitude												
090	TOB	45.5660425	-122.7117448	31.9	0-1	SIB-090-TOB-0-1-10102022	X	X	X	X	X	X	X	X	X
				31.9	1-2	SIB-090-TOB-1-2-10102022	X	UA	A	UA	UA	UA	A	A	A
	OHW	45.56600983	-122.7118798	20.1	0-1	SIB-090-OHW-0-1-10102022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-090-OHW-1-2-10102022	X	A	A	UA	UA	A	A	A	A
	MLW	45.56578883	-122.7121058	8.78	0-1	SIB-090-MLW-0-1-10102022	X	X	X	X	X	X	X	X	X
				7.78	1-2	SIB-090-MLW-1-2-10102022	X	UA	UA	UA	UA	UA	A	A	A
091	TOB	45.56626033	-122.7120063	33.3	0-1	SIB-091-TOB-0-1-10102022	X	X	X	X	X	X	X	X	X
				33.3	1-2	SIB-091-TOB-1-2-10102022	X	UA	UA	UA	UA	UA	A	A	A
				33.3	2-3	SIB-091-TOB-2-3-10102022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.5661545	-122.7121605	20.1	0-1	SIB-091-OHW-0-1-10102022	X	X	X	X	X	X	X	X	X
	MLW	45.56589117	-122.712313	8.68	0-1	SIB-091-MLW-0-1-10102022	X	X	X	X	X	X	X	X	X
				7.68	1-2	SIB-091-MLW-1-2-10102022	X	UA	UA	UA	UA	UA	UA	UA	UA
092	TOB	45.56627067	-122.7124122	33.0	0-1	SIB-092-TOB-0-1-10102022	X	X	X	X	X	X	X	X	X
				33.0	1-2	SIB-092-TOB-1-2-10102022	X	UA	UA	A	UA	UA	A	A	A
	OHW	45.56622667	-122.712528	20.1	0-1	SIB-092-OHW-0-1-10102022	X	X	X	X	X	X	X	X	X
	MLW	45.56609617	-122.7126562	9.36	0-1	SIB-092-MLW-0-1-10102022	X	X	X	X	X	X	X	X	X
				8.36	1-2	SIB-092-MLW-1-2-10102022	X	UA	UA	UA	UA	A	A	UA	A
093	TOB	45.56653233	-122.712771	31.7	0-1	SIB-093-TOB-0-1-10072022	X	X	X	X	X	X	X	X	X
				31.7	1-2	SIB-093-TOB-1-2-10072022	X	UA	UA	UA	UA	A	A	A	A
				31.7	2-3	SIB-093-TOB-2-3-10072022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.56647183	-122.7128125	20.1	0-1	SIB-093-OHW-0-1-10072022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-093-OHW-1-2-10072022	X	UA	UA	UA	UA	UA	A	A	A
				18.1	2-3	SIB-093-OHW-2-3-10072022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.56625067	-122.7129955	8.96	0-1	SIB-093-MLW-0-1-10072022	X	X	X	X	X	X	X	X	X

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83)		Elevation	Sample Depth (ft bgs)	Sample ID	Grain Size	TPH-Diesel (NWTPH-Dx), TOC	SVOCs (8270D), PAHs (8270-SIM)	Pesticides (E1699M)	Tributyltin (ALS SOP)	$PCB^{Congeners}$ (1668)	Dioxins/ Furans (E1613B)	$PCB_{Aroclor}$ (8082A)	Metals (6020B) + Mercury (7471B)
							GRI	ALS	ALS	ALS	ALS	CFA	CFA	ARI	ARI
		Latitude	Longitude	(NAVD88)											
094	TOB	45.56665583	-122.712959	32.1	0-1	SIB-094-TOB-0-1-10072022	X	X	X	X	X	X	X	X	X
				32.1	1-2	SIB-094-TOB-1-2-10072022	X	A	A	A	A	UA	A	A	A
				32.1	2-3	SIB-094-TOB-2-3-10072022	X	A	A	A	A	UA	A	A	A
	OHW	45.56661067	-122.7129873	20.1	0-1	SIB-094-OHW-0-1-10072022	X	X	X	X	X	X	X	X	X
	MLW	45.56637333	-122.7132367	8.43	0-1	SIB-094-MLW-0-1-10072022	X	X	X	X	X	X	X	X	X
095	TOB	45.56680282	-122.7131483	32.9	0-1	SIB-095-TOB-0-1-10072022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				32.9	1-2	SIB-095-TOB-1-2-10072022	X	UA	UA	UA	UA	A	A	A	A
				32.9	2-3	SIB-095-TOB-2-3-10072022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.56673167	-122.7132568	20.1	0-1	SIB-095-OHW-0-1-10072022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
	MLW	45.5664445	-122.713524	7.39	0-1	SIB-095-MLW-0-1-10072022	X	X	X	X	X	X	X	X	X
096	TOB	45.56697983	-122.7137188	36.2	0-1	SIB-096-TOB-0-1-10072022	X	X	X	X	X	X	X	X	X
	OHW	45.56695267	-122.713729	20.1	0-1	SIB-096-OHW-0-1-10072022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-096-OHW-1-2-10072022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.56669383	-122.7140045	8.56	0-1	SIB-096-MLW-0-1-10072022	X	X	X	X	X	X	X	X	X
097	TOB	45.56716133	-122.7140397	34.1	0-1	SIB-097-TOB-0-1-10072022	X	X	X	X	X	X	X	X	X
				34.1	1-2	SIB-097-TOB-1-2-10072022	X	UA	A	UA	UA	A	A	A	A
	OHW	45.56708417	-122.7140538	20.1	0-1	SIB-097-OHW-0-1-10072022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-097-OHW-1-2-10072022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.566855	-122.7142758	8.40	0-1	SIB-097-MLW-0-1-10072022	X	X	X	X	X	X	X	X	X
098	TOB	45.56723783	-122.7144423	33.3	0-1	SIB-098-TOB-0-1-10072022	X	X	X	X	X	X	X	X	X
				32.3	1-2	SIB-098-TOB-1-2-10072022	X	UA	UA	UA	UA	UA	A	A	A
				31.3	2-3	SIB-098-TOB-2-3-10072022	X	UA	UA	UA	UA	A	A	A	A
	OHW	45.567131	-122.7145293	20.1	0-1	SIB-098-OHW-0-1-10072022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-098-OHW-1-2-10072022	X	UA	A	UA	UA	UA	A	A	UA
				18.1	2-3	SIB-098-OHW-2-3-10072022	X	UA	A	UA	UA	UA	A	A	UA
	MLW	45.56706083	-122.7145863	8.71	0-1	SIB-098-MLW-0-1-10072022	X	X	X	X	X	X	X	X	X

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
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Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
099	TOB	45.56733683	-122.7147623	35.4	0-1	SIB-099-TOB-0-1-10072022	X	X	X	X	X	X	X	X	X
				34.4	1-2	SIB-099-TOB-1-2-10072022	X	UA	A	UA	UA	UA	A	A	UA
				33.4	2-3	SIB-099-TOB-2-3-10072022	X	UA	A	UA	UA	UA	A	A	UA
	OHW	45.56729133	-122.714835	20.1	0-1	SIB-099-OHW-0-1-10072022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-099-OHW-1-2-10072022	X	UA	A	UA	UA	UA	A	A	UA
	MLW	45.56721517	-122.7149172	8.99	0-1	SIB-099-MLW-0-1-10072022	X	X	X	X	X	X	X	X	X
100	TOB	45.56755683	-122.71491	36.3	0-1	SIB-100-TOB-0-1-10062022	X	X	X	X	X	X	X	X	X
				35.3	1-2	SIB-100-TOB-1-2-10062022	X	UA	A	UA	UA	UA	A	A	UA
				34.3	2-3	SIB-100-TOB-2-3-10062022	X	UA	A	UA	UA	UA	A	A	UA
	OHW	45.567453	-122.715114	20.1	0-1	SIB-100-OHW-0-1-10062022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-100-OHW-1-2-10062022	X	UA	A	A	UA	A	A	A	UA
				18.1	2-3	SIB-100-OHW-2-3-10062022	X	UA	A	A	UA	UA	A	A	UA
	MLW	45.56739817	-122.7151017	15.32	0-1	SIB-100-MLW-0-1-10062022	X	X	X	X	X	X	X	X	X
101	TOB	45.56774867	-122.7152732	37	0-1	SIB-101-TOB-0-1-10062022	X	X	X	X	X	X	X	X	X
				36	1-2	SIB-101-TOB-1-2-10062022	X	UA	A	UA	UA	UA	A	A	A
	OHW	45.56762667	-122.7154597	20.1	0-1	SIB-101-OHW-0-1-10062022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-101-OHW-1-2-10062022	X	UA	A	UA	UA	UA	UA	UA	UA
				18.1	2-3	SIB-101-OHW-2-3-10062022	X	UA	A	UA	UA	UA	UA	UA	UA
	MLW	45.56754867	-122.7155198	7.75	0-1	SIB-101-MLW-0-1-10062022	X	X	X	X	X	X	X	X	X
102	TOB	45.5679	-122.7155567	36.1	0-1	SIB-102-TOB-0-1-10062022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				35.1	1-2	SIB-102-TOB-1-2-10062022	X	UA	A	UA	UA	UA	A	A	A
				34.1	2-3	SIB-102-TOB-2-3-10062022	X	UA	A	UA	UA	UA	A	A	A
	OHW	45.567811	-122.715715	20.1	0-1	SIB-102-OHW-0-1-10062022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				19.1	1-2	SIB-102-OHW-1-2-10062022	X	UA	UA	UA	UA	UA	A	UA	UA
				18.1	2-3	SIB-102-OHW-2-3-10062022	X	UA	UA	UA	UA	UA	A	UA	UA
	MLW	45.56768367	-122.7158337	7.76	0-1	SIB-102-MLW-0-1-10062022	X	X	X	X	X	X	X	X	X
				6.76	1-2	SIB-102-MLW-1-2-10062022	X	A	A	UA	UA	A	A	UA	A

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
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Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
103	TOB	45.56803967	-122.7158625	36.5	0-1	SIB-103-TOB-0-1-10062022	X	X	X	X	X	X	X	X	X
	OHW	45.567997	-122.71593	20.1	0-1	SIB-103-OHW-0-1-10062022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-103-OHW-1-2-10062022	X	UA	UA	UA	UA	A	A	UA	UA
	MLW	45.56800083	-122.716072	9.10	0-1	SIB-103-MLW-0-1-10062022	X	X	X	X	X	X	X	X	X
104	TOB	45.568227	-122.7161727	36.4	0-1	SIB-104-TOB-0-1-10062022	X	X	X	X	X	X	X	X	X
				35.4	1-2	SIB-104-TOB-1-2-10062022	X	UA	A	UA	UA	UA	A	A	A
	OHW	45.568175	-122.71625	20.1	0-1	SIB-104-OHW-0-1-10062022	X	X	X	X	X	X	X	X	X
	MLW	45.568103	-122.716266	9.29	0-1	SIB-104-MLW-0-1-10062022	X	X	X	X	X	X	X	X	X
105	TOB	45.56842516	-122.7165302	36.7	0-1	SIB-105-TOB-0-1-10052022	X	X	X	X	X	X	X	X	X
	OHW	45.5683331	-122.7165702	20.1	0-1	SIB-105-OHW-0-1-10052022	X	X	X	X	X	X	X	X	X
106	TOB	45.568596	-122.7168077	36.8	0-1	SIB-106-TOB-0-1-10052022	X	X	X	X	X	X	X	X	X
				35.8	1-2	SIB-106-TOB-1-2-10052022	X	UA	A	A	UA	UA	A	A	A
	OHW	45.5685046	-122.7168582	20.1	0-1	SIB-106-OHW-0-1-10052022	X	X	X	X	X	X	X	X	X
107	TOB	45.5687118	-122.7171627	35.6	0-1	SIB-107-TOB-0-1-10052022	X	X	X	X	X	X	X	X	X
	OHW	45.5686388	-122.717248	20.1	0-1	SIB-107-OHW-0-1-10052022	X	X	X	X	X	X	X	X	X
108	TOB	45.56882	-122.7174877	35.9	0-1	SIB-108-TOB-0-1-10052022	X	X	X	X	X	X	X	X	X
109	TOB	45.5690005	-122.7177812	35.1	0-1	SIB-109-TOB-0-1-10052022	X	X	X	X	X	X	X	X	X
	OHW	45.5689208	-122.717887	20.1	0-1	SIB-109-OHW-0-1-10052022	X	X	X	X	X	X	X	X	X
110	TOB	45.56916217	-122.7181223	35.7	0-1	SIB-110-TOB-0-1-10052022	X	X	X	X	X	X	X	X	X
	MLW	45.5690285	-122.7182058	4.78	0-1	SIB-110-MLW-0-1-10052022	X	X	X	X	X	X	X	X	X
				3.78	1-2	SIB-110-MLW-1-2-10052022	X	UA	UA	UA	UA	UA	A	UA	UA
111	TOB	45.56934216	-122.7183773	36.2	0-1	SIB-111-TOB-0-1-10052022	X	X	X	X	X	X	X	X	X
112	TOB	45.569612	-122.718539	37.2	0-1	SIB-112-TOB-0-1-10052022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				36.2	1-2	SIB-112-TOB-1-2-10052022	X	UA	UA	UA	UA	UA	A	A	A
				35.2	2-3	SIB-112-TOB-2-3 -10052022	X	UA	UA	UA	UA	UA	A	A	A
	OHW	45.56952083	-122.7186527	20.1	0-1	SIB-112-OHW-0-1-10042022	X	X	X	X	X	X	X	X	X
	MLW	45.5694128	-122.7186785	7.88	0-1	SIB-112-MLW-0-1-10042022	XD	XD	XD	XD	XD	XD	XD	XD	XD
				6.88	1-2	SIB-112-MLW-1-2-10042022	X	UA	UA	UA	UA	A	A	A	A
				5.88	2-3	SIB-112-MLW-2-3 -10042022	X	UA	UA	UA	UA	UA	A	A	A

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
113	TOB	45.56973883	-122.7189052	38.7	0-1	SIB-113-TOB-0-1-10042022	X	X	X	X	X	X	X	X	X
				37.7	1-2	SIB-113-TOB-1-2-10042022	X	UA	UA	UA	UA	A	A	A	A
114	TOB	45.56992783	-122.7192522	37.7	0-1	SIB-114-TOB-0-1-10042022	X	X	X	X	X	X	X	X	X
				36.7	1-2	SIB-114-TOB-1-2-10042022	X	UA	A	UA	UA	UA	A	A	A
				35.7	2-3	SIB-114-TOB-2-3 -10042022	X	UA	A	UA	UA	UA	A	A	A
	OHW	45.56985066	-122.7192932	20.1	0-1	SIB-114-OHW-0-1-10042022	X	X	X	X	X	X	X	X	X
115	TOB	45.57007016	-122.719544	37.1	0-1	SIB-115-TOB-0-1-10042022	X	X	X	X	X	X	X	X	X
				36.1	1-2	SIB-115-TOB-1-2-10042022	X	UA	A	UA	UA	UA	A	A	A
	OHW	45.5700175	-122.7196055	20.1	0-1	SIB-115-OHW-0-1-10042022	X	X	X	X	X	X	X	X	X
116	TOB	45.570263	-122.719797	37.1	0-1	SIB-116-TOB-0-1-10042022	X	X	X	X	X	X	X	X	X
				36.1	1-2	SIB-116-TOB-1-2-10042022	X	UA	UA	UA	UA	A	A	A	A
117	TOB	45.570434	-122.720111	36.6	0-1	SIB-117-TOB-0-1-10042022	X	X	X	X	X	X	X	X	X
	OHW	45.57036267	-122.7202082	20.1	0-1	SIB-117-OHW-0-1-10032022	X	X	X	X	X	X	X	X	X
	MLW	45.57032033	-122.7203085	5.18	0-1	SIB-117-MLW-0-1-10032022	X	X	X	X	X	X	X	X	X
118	TOB	45.57053667	-122.7204977	35.8	0-1	SIB-118-TOB-0-1-10042022	X	X	X	X	X	X	X	X	X
				34.8	1-2	SIB-118-TOB-1-2-10042022	X	UA	UA	UA	UA	UA	A	A	UA
	OHW	45.5705015	-122.7205493	20.1	0-1	SIB-118-OHW-0-1-10032022	X	X	X	X	X	X	X	X	X
119	TOB	45.57069717	-122.720852	38.1	0-1	SIB-119-TOB-0-1-10042022	X	X	X	X	X	X	X	X	X
				37.1	1-2	SIB-119-TOB-1-2-10042022	X	UA	UA	A	UA	UA	A	A	A
	OHW	45.57065317	-122.7208652	20.1	0-1	SIB-119-OHW-0-1-10032022	X	X	X	X	X	X	X	X	X
				19.1	1-2	SIB-119-OHW-1-2-10032022	X	UA	A	UA	UA	UA	A	A	A
120	TOB	45.570793	-122.721124	37.8	0-1	SIB-120-TOB-0-1-10032022	X	X	X	X	X	X	X	X	X
	OHW	45.57064533	-122.721274	20.1	0-1	SIB-120-OHW-0-1-10032022	X	X	X	X	X	X	X	X	X
		45.57064533	-122.721274	19.1	1-2	SIB-120-OHW-1-2-10032022	X	UA	UA	UA	UA	UA	A	A	A
	MLW	45.57064083	-122.7212702	9.04	0-1	SIB-120-MLW-0-1-10032022	X	X	X	X	X	X	X	X	X
121	TOB	45.570926	-122.721481	34.4	0-1	SIB-121-TOB-0-1-10262022	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS
	OHW	45.570858	-122.721536	20.1	0-1	SIB-121-OHW-0-1-10262022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
	MLW	45.570707	-122.721656	7.50	0-1	SIB-121-MLW-0-1-10262022	XD	XD	XD	XD	XD	XD	XD	XD	XD

Attachment B.1 (continued)
Riverbank Sample Collection Summary Table
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

Transect	Sample Type	Actual Coordinates (NAD83) Latitude	Actual Coordinates (NAD83) Longitude	Elevation (NAVD88)	Sample Depth (ft bgs)	Sample ID	Grain Size GRI	TPH-Diesel (NWTPH-Dx), TOC ALS	SVOCs (8270D), PAHs (8270-SIM) ALS	Pesticides (E1699M) ALS	Tributyltin (ALS SOP) ALS	$PCB^{Congeners}$ (1668) CFA	Dioxins/ Furans (E1613B) CFA	$PCB_{Aroclor}$ (8082A) ARI	Metals (6020B) + Mercury (7471B) ARI
122	TOB	45.571024	-122.721961	36.1	0-1	SIB-122-TOB-0-1-10262022	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS	XMS
				35.1	1-2	SIB-122-TOB-1-2-10262022	X	UA	UA	UA	UA	UA	UA	A	A
	OHW	45.570915	-122.721955	20.1	0-1	SIB-122-OHW-0-1-10262022	X	X	X	X	X	X	X	X	X
	MLW	45.570732	-122.721945	7.54	0-1	SIB-122-MLW-0-1-10262022	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS
				6.54	1-2	SIB-122-MLW-1-2-10262022	X	UA	UA	UA	UA	UA	UA	A	A
123	TOB	45.570927	-122.722375	34.3	0-1	SIB-123-TOB-0-1-10262022	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS
				33.3	1-2	SIB-123-TOB-1-2-10262022	X	UA	A	A	UA	UA	UA	A	A
	OHW	45.570846	-122.722349	20.1	0-1	SIB-123-OHW-0-1-10262022	X	X	X	X	X	X	X	X	X
124	TOB	45.570925	-122.722755	34.1	0-1	SIB-124-TOB-0-1-10262022	X	X	X	X	X	X	X	X	X
	OHW	45.570792	-122.722719	20.1	0-1	SIB-124-OHW-0-1-10262022	X	X	X	X	X	X	X	X	X
	MLW	45.570717	-122.722699	8.54	0-1	SIB-124-MLW-0-1-10262022	X	X	X	X	X	X	X	X	X
125	TOB	45.570872	-122.723114	34.5	0-1	SIB-125-TOB-0-1-10262022	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS	XD/XMS
				33.5	1-2	SIB-125-TOB-1-2-10262022	X	UA	A	A	UA	UA	UA	A	A
	OHW	45.570767	-122.723106	20.1	0-1	SIB-125-OHW-0-1-10262022	X	X	X	X	X	X	X	X	X
	MLW	45.570668	-122.723099	7.69	0-1	SIB-125-MLW-0-1-10262022	XD	XD	XD	XD	XD	XD	XD	XD	XD
EB01		NA	NA		RINSE	EB01-10052022	X	X	X	X	X	X	X	X	X
EB02		NA	NA		RINSE	EB02-10102022	X	X	X	X	X	X	X	X	X
EB03		NA	NA		RINSE	EB03-10192022	X	X	X	X	X	X	X	X	X
EB04		NA	NA		RINSE	EB04-10262022	X	X	X	X	X	X	X	X	X
							406	406	406	406	406	406	406	406	406
							20	20	20	20	20	20	20	20	20
							20	20	20	20	20	20	20	20	20
							446	446	446	446	446	446	446	446	446
							4	4	4	4	4	4	4	4	4

Notes:

ft = feet
A = archived sample analyzed
ALS = ALS Environmental
ARI = Analytical Resources, LLC
bgs = below ground surface
CFA = Cape Fear Analytical, LLC
EB = equipment blank
MLW = mean low water
MS/MSD = matrix spike/matrix spike duplicate
NA = not applicable
NAD83 = North American Datum of 1983
NAVD88 = North American Vertical Datuum of 1988
OHW = ordinary high water
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
SVOC = semivolatile organic compound
TOB = top of bank
X = normal sample
XD = duplicate sample
XMS = MS/MSD
UA = archived sample unanalyzed

Elevations: OHW elevation (20.08 NAVD88) was staked at each transect by a surveyor licensed in Oregon before sampling occurred, with elevations adjusted for sample depth. MLW

ATTACHMENT B.2
SAMPLE DEVIATION SUMMARY TABLE

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Attachment B.2
Sample Deviation Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Location	Proposed Sample			Actual Sample Collection			Rationale for Deviation from Sampling Plan			Quality Assurance/Quality Control Samples Collected			
		Top of Bank	OHW	MLW	Top of Bank	OHW	MLW	Top of Bank	OHW	MLW	Parent Sample ID	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Collected	Field Duplicate Collected	Equipment Blank Collected
SIB-000	Shipyard Drydock Basin and Ballast Water Treatment Plant	x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible				
SIB-001		x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible				
SIB-002		x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible				
SIB-003		x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible				
SIB-004		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-005		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-006		x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible				
SIB-007		x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible				
SIB-008		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-009		x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible				
SIB-010		x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible				
SIB-011	Shipyard Drydock Basin	--	x	x	x	x	--	Unplanned location was accessible	No deviation	Planned location was not accessible				
SIB-012		--	--	x	--	--	x	No deviation	No deviation	No deviation	SIB-012-MLW	1* MS/MSD		
SIB-013		--	--	x	--	--	x	No deviation	No deviation	No deviation				
SIB-014		--	x	x	--	--	x	No deviation	Planned location was not accessible	No deviation				
SIB-015		--	--	x	--	--	--	No deviation	No deviation	Planned location was not accessible				
SIB-016		--	--	x	--	--	--	No deviation	No deviation	Planned location was not accessible				
SIB-017		--	--	x	--	--	--	No deviation	No deviation	Planned location was not accessible				
SIB-018		--	--	x	--	--	--	No deviation	No deviation	Planned location was not accessible				
SIB-019		--	--	x	--	--	--	No deviation	No deviation	Planned location was not accessible				
SIB-020		--	--	x	--	--	--	No deviation	No deviation	Planned location was not accessible				
SIB-021		--	--	x	--	--	--	No deviation	No deviation	Planned location was not accessible				
SIB-022		--	--	x	--	x	x	No deviation	Unplanned location was accessible	No deviation				
SIB-023	Shipyard Dock/Wharf	x	x	x	--	x	--	Planned location was not accessible	No deviation	Planned location was not accessible				
SIB-024		x	x	x	--	x	--	Planned location was not accessible	No deviation	Planned location was not accessible				
SIB-025		x	x	x	--	x	--	Planned location was not accessible	No deviation	Planned location was not accessible				
SIB-026		x	x	x	--	x	--	Planned location was not accessible	No deviation	Planned location was not accessible				
SIB-027		--	x	--	--	x	--	No deviation	No deviation	No deviation				
SIB-028		--	x	--	--	x	--	No deviation	No deviation	No deviation				
SIB-029		--	x	--	--	x	--	No deviation	No deviation	No deviation				
SIB-030		--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-031		--	x	--	--	x	--	No deviation	No deviation	No deviation				
SIB-032		--	x	--	--	x	--	No deviation	No deviation	No deviation				
SIB-033		--	x	--	--	x	--	No deviation	No deviation	No deviation				

Attachment B.2 (continued)
Sample Deviation Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Location	Proposed Sample			Actual Sample Collection			Rationale for Deviation from Sampling Plan			Quality Assurance/Quality Control Samples Collected			
		Top of Bank	OHW	MLW	Top of Bank	OHW	MLW	Top of Bank	OHW	MLW	Parent Sample ID	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Collected	Field Duplicate Collected	Equipment Blank Collected
SIB-034	Shipyard Dock/Wharf	--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-035		--	x	--	--	x	--	No deviation	No deviation	No deviation				
SIB-036		--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible	SIB-036-OHW	1* MS/MSD		
SIB-037		--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-038		--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-039		--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-040		--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-041		--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-042		--	x	--	--	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-043	Shipyard Riverbank	x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-044		x	x	--	x	x	--	No deviation	No deviation	No deviation	SIB-044-TOB	1* MS/MSD		
SIB-045		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-046		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-047		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-048		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-049		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-050		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-051		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-052	Port of Portland	x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-053		x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-053-MLW	1* MS/MSD		
SIB-054		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-055		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-056		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-057		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-058	Freightliner Wind Tunnel	x	x	--	--	x	x	Planned location was not accessible	No deviation	Unplanned location was accessible	SIB-058-MLW	1* MS/MSD	FD11-10192022	
SIB-059		--	x	x	--	x	x	No deviation	No deviation	No deviation				
SIB-060		--	x	x	--	x	x	No deviation	No deviation	No deviation				
SIB-061		--	x	x	--	x	x	No deviation	No deviation	No deviation				
SIB-062	Anchor Park LLC	x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-063		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-064		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-065	End of Swan Island Lagoon	x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-065-TOB	1* MS/MSD		
SIB-066		x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-066-TOB	1* MS/MSD		
SIB-067		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-068		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-069		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-070		x	x	x	--	x	x	Planned location was not accessible	No deviation	No deviation				
SIB-071	Swan Island Dock Co.	x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-072		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-073		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-074		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-075		x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-075-OHW	1* MS/MSD		
SIB-076		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-077		x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-077-MLW	1* MS/MSD		

Attachment B.2 (continued)
Sample Deviation Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Location	Proposed Sample			Actual Sample Collection			Rationale for Deviation from Sampling Plan			Quality Assurance/Quality Control Samples Collected			
		Top of Bank	OHW	MLW	Top of Bank	OHW	MLW	Top of Bank	OHW	MLW	Parent Sample ID	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Collected	Field Duplicate Collected	Equipment Blank Collected
SIB-078	Swan Island Dock Co.	x	x	x	--	x	x	Planned location was not accessible	No deviation	No deviation				
SIB-079		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-080		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-081		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-082		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-083		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-084		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-085		x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-085-TOB	1* MS/MSD		
SIB-086		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-087	ATC Leasing Co.	x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-087-TOB	1* MS/MSD		
SIB-088		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-089		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-090		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-091		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-092		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-093	Port of Portland Dredge Base	x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-094		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-095		x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-095-OHW	1* MS/MSD		
SIB-096		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-097		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-098		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-099		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-100		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-101		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-102		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible	SIB-102-OHW	1* MS/MSD		
SIB-103	The Marine Consortium Inc.	x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-104		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				
SIB-105		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-106		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-107		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-108		x	x	--	x	--	--	No deviation	Planned location was not accessible	No deviation				
SIB-109		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-110		x	x	--	x	--	x	No deviation	Planned location was not accessible	Unplanned location was accessible				
SIB-111		x	x	--	x	--	--	No deviation	Planned location was not accessible	No deviation				
SIB-112	U.S. Navy and Marine Reserve Center	x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-112-TOB	1* MS/MSD		
SIB-113		x	x	--	x	--	--	No deviation	Planned location was not accessible	No deviation				
SIB-114		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-115		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-116		x	x	--	x	--	--	No deviation	Planned location was not accessible	No deviation				
SIB-117		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-118		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-119		x	x	--	x	x	--	No deviation	No deviation	No deviation				
SIB-120		x	x	--	x	x	x	No deviation	No deviation	Unplanned location was accessible				

Attachment B.2 (continued)
Sample Deviation Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area,
Portland, Oregon

Transect	Location	Proposed Sample			Actual Sample Collection			Rationale for Deviation from Sampling Plan			Quality Assurance/Quality Control Samples Collected			
		Top of Bank	OHW	MLW	Top of Bank	OHW	MLW	Top of Bank	OHW	MLW	Parent Sample ID	Matrix Spike/Matrix Spike Duplicate (MS/MSD) Collected	Field Duplicate Collected	Equipment Blank Collected
SIB-121	U.S. Coast Guard Marine Safety Unit	x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-121-TOB	2x MS/MSD	FD20-10262022	
SIB-122		x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-122-TOB	2x MS/MSD	FD17-10262022	
SIB-123		x	x	x	x	x	--	No deviation	No deviation	Planned location was not accessible	SIB-123-TOB	1* MS/MSD	FD18-10262022	
SIB-124		x	x	x	x	x	x	No deviation	No deviation	No deviation				
SIB-125		x	x	x	x	x	x	No deviation	No deviation	No deviation	SIB-125-TOB	1* MS/MSD	FD16-10262022	
Not Applicable														EB01-10052022
														EB02-10102022
														EB03-10192022
														EB04-10262022

ATTACHMENT B.3
FIELD CHANGE REQUEST FORMS

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FIELD CHANGE REQUEST FORM
SWAN ISLAND BASIN PROJECT AREA
PORTLAND HARBOR SUPERFUND SITE

PROJECT NUMBER: DT2002	**DATE:** July 21, 2022	**VARIANCE NUMBER:** 08

FIELD TASK: Sediment Sampling

CONTRACT NUMBER: CERCLA Docket No. 10-2021-001

REQUESTED BY: Jeff Hodge, HGL PM; Shane Cherry, HGL Technical Lead

PRESENT REQUIREMENTS: The Pre-Design Investigation (PDI) Work Plan states that equipment rinsate blanks will be collected at a rate of 1 per 20 samples, with a minimum of one per week per equipment type. Additionally, the plan states that if equipment is dedicated to a sample or disposable equipment is used, no equipment blanks are required. The equipment rinsate blanks are discussed in Field Sampling Plan (FSP) Section 8, Unified Federal Policy-Quality Assurance Project Plan (UFP-QAPP) Section 12, and standard operating procedure (SOP) 300.4 of the PDI WP.

PROPOSED CHANGE: The proposed change is to collect one equipment rinsate blank per week.

TECHNICAL JUSTIFICATION: The only sampling equipment that is decontaminated after use on site are the stainless-steel spoons. The stainless-steel spoons are used to transfer the sediment from the core to a disposable pan, composite the material from the sampled interval and fill the sample jars. The stainless-steel spoons do not have complex parts with crevices that require intensive decontamination or assessment of the decontamination procedures through twice-daily equipment blanks. The elimination of these samples that provide limited value will reduce the shipping requirements for the project and thus reduce the projects carbon footprint. Each equipment rinsate sample results in eight liters of water. The sample containers for one equipment rinsate sample mostly fill a cooler that is approximately 75 pounds when shipped.

COST/SCHEDULE IMPACT: There will be no impact to the schedule. A small labor, shipping, and sample analysis cost savings will be realized with the proposed adjustment.

REASON FOR CHANGE: Addition ( ) Deletion ( ) Modification (X)

CHANGE ORDER REQUIRED: No (X) Yes ( ) Change Order Number ( )

APPLICABLE DOCUMENT: Pre-Design Investigation Work Plan

DISTRIBUTION:

APPROVED BY Jeff Hodge — DATE _____
HGL Project Manager

APPROVED BY _____ — DATE _____
HGL Technical Director

APPROVED BY Madi Novak — DATE 7/25/2022
EPA Representative

FIELD CHANGE REQUEST FORM
SWAN ISLAND BASIN PROJECT AREA
PORTLAND HARBOR SUPERFUND SITE

PROJECT NUMBER: DT2002	**DATE:** September 23, 2022	**VARIANCE NUMBER:** 09

FIELD TASK: Sediment Sampling

CONTRACT NUMBER: CERCLA Docket No. 10-2021-001

REQUESTED BY: Jeff Hodge, HGL PM; Shane Cherry, HGL Technical Lead

PRESENT REQUIREMENTS: The Pre-Design Investigation Work Plan (PDI WP) states that stainless steel bowls will be used for compositing samples. The bowls are discussed in Section 4 of the Field Sampling Plan (FSP) and Section 2 of the Waste Management Plan and standard operating procedures (SOPs) 403.03, 403.06, 403.08, 411.02, A-4, and A-5.

PROPOSED CHANGE: Include disposable aluminum bowls in the list of acceptable materials for the bowls used to composite the samples.

TECHNICAL JUSTIFICATION: Disposable aluminum bowls were used instead of the stainless-steel bowls listed in the PDI WP for two reasons: (1) Disposable aluminum bowls are routinely used during environmental investigations for mixing or compositing samples to reduce the risk of cross contamination associated with decontamination and (2) Aluminum sediment sampling core sleeves are specified in the PDI WP as acceptable. Additionally, the sediment samples are not analyzed for aluminum since it is not a contaminant of concern. The aluminum bowls are greater than 99 percent aluminum.

HGL collected equipment blank (EB) samples to demonstrate that sampling equipment didn't contribute significant contamination. The sample train included a sediment catcher, core sleeve, mixing utensils, and aluminum bowl (See Photograph 1). The results from two EB samples (EB01-07/12/2022 and EB02-07/13/2022) are provided in Table 1. The laboratory method blank (LMB) results that are associated with the EB samples are also provided in Table 1 for reference. The EB and LMB samples were analyzed for the same constituents as the sediment samples and were also analyzed for additional constituents that are included in Table 17 of the Record of Decision (ROD) for the surface water media. Although there were trace level detections in both EBs of various constituents, the extremely low reporting limits and laboratory processes likely contributed to many of the reported detections. The laboratory processes contributing low levels of the contaminants is evident by the 15 different constituent detections reported for the LMB. A total of 22 constituents were reported for the EB samples. Only 1 of the 22 reported detections exceeded a cleanup level (CUL). Hexachlorobenzene was reported at 0.0435 nanograms per liter (ng/l) and 0.0459 ng/l in the EB samples. Both of these reported detections were below the practical quantitation limit (PQL) and flagged as estimated by the laboratory. The CUL is 0.029 ng/l. Per Table 17 of the ROD, hexachlorobenzene is not a contaminant that will be evaluated in sediment samples. Thus, there will be no added data validation flags due to the hexachlorobenzene detections. Some additional data flags may be required for the limited number of detections in the EB samples that were not in the LMB samples, but these flags are not anticipated to impact project decisions. None of the reported detections would invalidate the sediment sample data.

COST/SCHEDULE IMPACT: There will be no impact to the schedule or costs associated with the proposed adjustments.

REASON FOR CHANGE: Addition ( ) Deletion ( ) Modification (X)

CHANGE ORDER REQUIRED: No (X) Yes ( ) Change Order Number ( )

APPLICABLE DOCUMENT: Pre-Design Investigation Work Plan

DISTRIBUTION:

APPROVED BY Jeff Hodge _____ DATE _____

HGL Project Manager

APPROVED BY _____ DATE _____

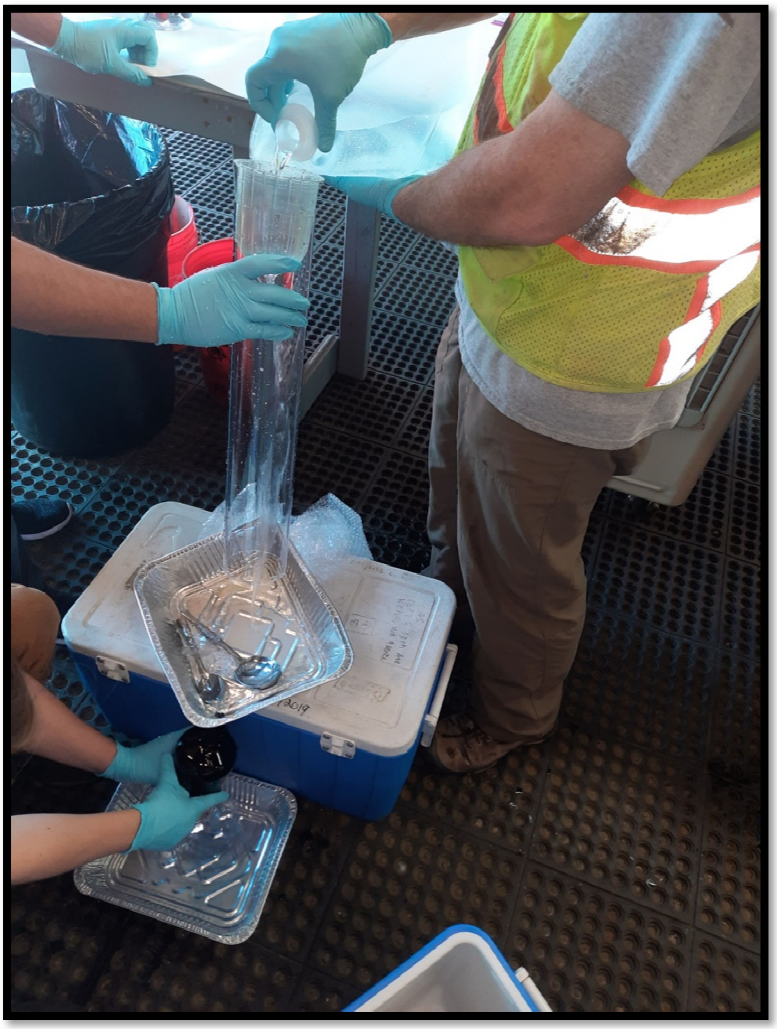
HGL Technical Director

APPROVED BY _____ DATE _____

EPA Representative

Photograph 1

Equipment Blank Sample Train



Photograph ID: SIB-SED_EB01_092751
Description: Photograph of equipment blank sample train.
Photographer: Joss Moore, OrbisLogic LLC
Direction: Down
Date: July 21, 2022
Time: 1919

Table 1

Analytical Results for
Laboratory Method Blanks and Equipment Blanks EB01 and EB02

Table 1
Analytical Results for
Laboratory Method Blanks and Equipment Blank Samples EB01 and EB02

Method	Analyte	CAS_RN	Result Type	Unit	Portland Harbor ROD SW CUL	Laboratory Method Blank	Equipment Blank EB01-07/12/2022	Equipment Blank EB02-07/13/2022
9060A	TOTAL CARBON	7440-44-0	TRG	mg/L			0.70	
ALS SOP	Di-n-butyltin Cation	14488-53-0	TRG	ug/L		< 0.050 U		< 0.050 U
ALS SOP	n-Butyltin Cation	78763-54-9	TRG	ug/L		< 0.050 U		< 0.050 U
ALS SOP	Tetrabutyltin	1461-25-2	TRG	ug/L		< 0.050 U		< 0.050 U
ALS SOP	Tri-n-butyltin Cation	36643-28-4	TRG	ug/L		< 0.050 U		< 0.050 U
BNASIM	2-METHYLNAPHTHALENE	91-57-6	TRG	ug/L				0.0092
BNASIM	2-METHYLNAPHTHALENE	91-57-6	TRG	ug/L		< 0.023 U		
BNASIM	ACENAPHTHENE	83-32-9	TRG	ug/L				0.0097
BNASIM	ACENAPHTHENE	83-32-9	TRG	ug/L		< 0.023 U		
BNASIM	ACENAPHTHYLENE	208-96-8	TRG	ng/l				1.6 J
BNASIM	ACENAPHTHYLENE	208-96-8	TRG	ug/L		< 0.023 U		
BNASIM	ANTHRACENE	120-12-7	TRG	ng/l				1.4 J
BNASIM	ANTHRACENE	120-12-7	TRG	ug/L		< 0.023 U		
BNASIM	BENZO(A)ANTHRACENE	56-55-3	TRG	ng/l	1.2			< 3.2 U
BNASIM	BENZO(A)ANTHRACENE	56-55-3	TRG	ug/L	0.0012	< 0.023 U		
BNASIM	BENZO(A)PYRENE	50-32-8	TRG	ng/l	0.12			< 3.2 U
BNASIM	BENZO(A)PYRENE	50-32-8	TRG	ug/L	0.00012	< 0.023 U		
BNASIM	BENZO(B)FLUORANTHENE	205-99-2	TRG	ng/l	1.2			< 3.2 U
BNASIM	BENZO(B)FLUORANTHENE	205-99-2	TRG	ug/L	0.0012	< 0.023 U		
BNASIM	BENZO(G,H,I)PERYLENE	191-24-2	TRG	ng/l				< 3.2 U
BNASIM	BENZO(G,H,I)PERYLENE	191-24-2	TRG	ug/L		< 0.023 U		
BNASIM	BENZO(K)FLUORANTHENE	207-08-9	TRG	ng/l	1.3			< 3.2 U
BNASIM	BENZO(K)FLUORANTHENE	207-08-9	TRG	ug/L	0.0013	< 0.023 U		
BNASIM	CHRYSENE	218-01-9	TRG	ng/l	1.3			< 3.2 U
BNASIM	CHRYSENE	218-01-9	TRG	ug/L	0.0013	< 0.023 U		
BNASIM	DIBENZ(A,H)ANTHRACENE	53-70-3	TRG	ng/l	0.12			< 3.2 U
BNASIM	DIBENZ(A,H)ANTHRACENE	53-70-3	TRG	ug/L	0.00012	< 0.023 U		
BNASIM	FLUORANTHENE	206-44-0	TRG	ng/l				< 3.2 U
BNASIM	FLUORANTHENE	206-44-0	TRG	ug/L		< 0.023 U		
BNASIM	FLUORENE	86-73-7	TRG	ng/l		< 0.023 U		
BNASIM	FLUORENE	86-73-7	TRG	ug/L				< 3.2 U
BNASIM	INDENO(1,2,3-C,D)PYRENE	193-39-5	TRG	ng/l	1.2			0.0098
BNASIM	INDENO(1,2,3-C,D)PYRENE	193-39-5	TRG	ug/L	0.0012	< 0.023 U		
BNASIM	NAPHTHALENE	91-20-3	TRG	ng/l	12000			0.0098
BNASIM	NAPHTHALENE	91-20-3	TRG	ug/L	12	< 0.023 U		
BNASIM	PHENANTHRENE	85-01-8	TRG	ng/l				< 3.2 U
BNASIM	PHENANTHRENE	85-01-8	TRG	ug/L		< 0.023 U		
BNASIM	PYRENE	129-00-0	TRG	ng/l				< 3.2 U
BNASIM	PYRENE	129-00-0	TRG	ug/L		< 0.023 U		
E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	67562-39-4	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	35822-46-9	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	55673-89-7	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	70648-26-9	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	39227-28-6	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	57117-44-9	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	57653-85-7	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	72918-21-9	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	19408-74-3	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,7,8-PENTACHLORODIBENZOFURAN	57117-41-6	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	40321-76-4	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U

Table 1
Analytical Results for
Laboratory Method Blanks and Equipment Blank Samples EB01 and EB02

Method	Analyte	CAS_RN	Result Type	Unit	Portland Harbor ROD SW CUL	Laboratory Method Blank	Equipment Blank EB01-07/12/2022	Equipment Blank EB02-07/13/2022
E1613B	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	60851-34-5	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	2,3,4,7,8-PENTACHLORODIBENZOFURAN	57117-31-4	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0)	TEQ	TRG	pg/l		0	0	0
E1613B	2,3,7,8-TCDD TOXIC EQUIVALENT (TEQ), WHO TEF 2005 (ND=0.5)	3333-30-1	TRG	pg/l		4.72	11.4	3.85
E1613B	2,3,7,8-TETRACHLORODIBENZOFURAN	51207-31-9	TRG	pg/l		< 10.0 U	< 10.4 U	< 10.5 U
E1613B	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1746-01-6	TRG	pg/l	0.00051	< 10.0 U	< 10.4 U	< 10.5 U
E1613B	Heptachlorodibenzo-P-Dioxin	37871-00-4	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	HEXACHLORODIBENZOFURAN	55684-94-1	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	HEXACHLORODIBENZO-P-DIOXIN	34465-46-8	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	OCTACHLORODIBENZOFURAN	39001-02-0	TRG	pg/l		< 100 U	< 104 U	< 105 U
E1613B	OCTACHLORODIBENZO-P-DIOXIN	3268-87-9	TRG	pg/l		< 100 U	< 104 U	< 105 U
E1613B	PENTACHLORO DIBENZOFURAN	30402-15-4	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	PENTACHLORODIBENSO-P-DIOXIN	36088-22-9	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1613B	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	TCDF	TRG	pg/l		< 10.0 U	< 10.4 U	< 10.5 U
E1613B	TETRACHLORODIBENZO-P-DIOXIN	41903-57-5	TRG	pg/l		< 10.0 U	< 10.4 U	< 10.5 U
E1613B	TOTAL HpCDFs	38998-75-3	TRG	pg/l		< 50.0 U	< 52.0 U	< 52.6 U
E1668	2,3-DICHLOROBIPHENYL	16605-91-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	2-CHLOROBIPHENYL	2051-60-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	4,4'-DICHLOROBIPHENYL	2050-68-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Chlorobiphenyl; 3-	2051-61-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Chlorobiphenyl; 4-	2051-62-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	DECACHLOROBIPHENYL	2051-24-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Dichlorobiphenyl; 2,2'-	13029-08-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Dichlorobiphenyl; 2,3'-	25569-80-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Dichlorobiphenyl; 2,4'-	34883-43-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Dichlorobiphenyl; 2,4-	33284-50-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Dichlorobiphenyl; 2,5-	34883-39-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Dichlorobiphenyl; 2,6-	33146-45-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Dichlorobiphenyl; 3,3'-	2050-67-1	TRG	pg/l		100 J	< 111 U	106 BJ
E1668	Dichlorobiphenyl; 3,4-	2974-92-7	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Dichlorobiphenyl; 3,5-	34883-41-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',5-	35065-30-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,3',4,4',6-	52663-71-5	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	52663-74-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	38411-25-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	52663-70-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,3',4,5',6-	40186-70-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	52663-65-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,3',5,5',6-	52663-67-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	52663-64-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	35065-29-3	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	60145-23-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,4,4',5,6-	74472-47-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,4,4',5',6-	52663-69-1	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	74472-48-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,4',5,5',6-	52663-68-0	TRG	pg/l		100 J	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	74472-49-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	74487-85-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	39635-31-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,3,3',4,4',5,6-	41411-64-7	TRG	pg/l		< 100 U	< 111 U	< 106 U

Table 1
Analytical Results for
Laboratory Method Blanks and Equipment Blank Samples EB01 and EB02

Method	Analyte	CAS_RN	Result Type	Unit	Portland Harbor ROD SW CUL	Laboratory Method Blank	Equipment Blank EB01-07/12/2022	Equipment Blank EB02-07/13/2022
E1668	Heptachlorobiphenyl; 2,3,3',4,4',5',6-	74472-50-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Heptachlorobiphenyl; 2,3,3',4,5,5',6-	74472-51-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,3',4,4'-	38380-07-3	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Hexachlorobiphenyl; 2,2',3,3',4,5'-	52663-66-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,3',4,5-	55215-18-4	TRG	pg/l		300 CJ	< 334 CU	< 318 CU
E1668	Hexachlorobiphenyl; 2,2',3,3',4,6'-	38380-05-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,3',4,6-	61798-70-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,3',5,5'-	35694-04-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,3',5,6'-	52744-13-5	TRG	pg/l		200 CJ	< 223 CU	< 212 CU
E1668	Hexachlorobiphenyl; 2,2',3,3',5,6-	52704-70-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,3',6,6'-	38411-22-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4,4',5-	35694-06-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4,4',6-	56030-56-9	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Hexachlorobiphenyl; 2,2',3,4,5,5'-	52712-04-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4',5,5'-	51908-16-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4,5,6'-	68194-15-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4,5,6-	41411-61-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4,5',6-	68194-14-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4',5,6'-	74472-41-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4',5,6-	68194-13-8	TRG	pg/l		200 CJ	223 BCJ	< 212 CU
E1668	Hexachlorobiphenyl; 2,2',3,4,6,6'-	74472-40-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,4',6,6'-	68194-08-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',3,5,6,6'-	68194-09-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',4,4',5,5'-	35065-27-1	TRG	pg/l		< 200 CU	< 223 CU	212 CJ
E1668	Hexachlorobiphenyl; 2,2',4,4',5,6'-	60145-22-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,2',4,4',6,6'-	33979-03-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,3,3',4,4',5-	38380-08-4	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Hexachlorobiphenyl; 2,3,3',4,4',6-	74472-42-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,3,3',4,5,5'-	39635-35-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,3,3',4',5,5'-	39635-34-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,3,3',4,5,6-	41411-62-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,3,3',4,5',6-	74472-43-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,3,3',4',5',6-	74472-45-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 2,3,3',5,5',6-	74472-46-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Hexachlorobiphenyl; 3,3',4,4',5,5'-	32774-16-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	40186-72-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	52663-79-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	52663-77-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	35694-08-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	42740-50-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	52663-78-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	33091-17-7	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	68194-17-2	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	40186-71-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	2136-99-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	52663-76-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	74472-52-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	74472-53-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	PCB-167	52663-72-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	PCB-82	52663-62-4	TRG	pg/l		< 100 U	< 111 U	< 106 U

Table 1
Analytical Results for
Laboratory Method Blanks and Equipment Blank Samples EB01 and EB02

Method	Analyte	CAS_RN	Result Type	Unit	Portland Harbor ROD SW CUL	Laboratory Method Blank	Equipment Blank EB01-07/12/2022	Equipment Blank EB02-07/13/2022
E1668	Pentachlorobiphenyl; 2,2',3,3',5-	60145-20-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,2',3,3',6-	52663-60-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,2',3,4,4'-	65510-45-4	TRG	pg/l		< 300 CU	< 334 CU	< 318 CU
E1668	Pentachlorobiphenyl; 2,2',3,4,5-	55312-69-1	TRG	pg/l		< 600 CU	< 669 CU	< 635 CU
E1668	Pentachlorobiphenyl; 2,2',3,4',5-	68194-07-0	TRG	pg/l		< 300 CU	< 334 CU	< 318 CU
E1668	Pentachlorobiphenyl; 2,2',3,4,6'-	73575-57-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,2',3,4,6-	55215-17-3	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Pentachlorobiphenyl; 2,2',3,4',6'-	60233-25-2	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Pentachlorobiphenyl; 2,2',3,5,5'-	52663-61-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,2',3,5,6'-	73575-55-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,2',3,5,6-	73575-56-1	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Pentachlorobiphenyl; 2,2',3,5',6-	38379-99-6	TRG	pg/l		< 100 U	< 111 U	106 J
E1668	Pentachlorobiphenyl; 2,2',3,6,6'-	73575-54-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,2',4,4',5-	38380-01-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,2',4,5',6-	60145-21-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,2',4,6,6'-	56558-16-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3,3',4,4'-	32598-14-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3,3',4,5'-	70362-41-3	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Pentachlorobiphenyl; 2,3,3',4,5-	70424-69-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3,3',4',5'-	76842-07-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3,3',4',5-	70424-68-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3,3',4',6-	38380-03-9	TRG	pg/l		200 CJ	< 223 CU	212 BCJ
E1668	Pentachlorobiphenyl; 2,3,3',5,5'-	39635-32-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3,3',5,6-	74472-36-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3,4,4',5-	74472-37-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3',4,4',5'-	65510-44-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3',4,4',5-	31508-00-6	TRG	pg/l		< 100 U	< 111 U	106 J
E1668	Pentachlorobiphenyl; 2,3',4,5,5'-	68194-12-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 2,3',4,5',6-	56558-18-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 3,3',4,4',5-	57465-28-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Pentachlorobiphenyl; 3,3',4,5,5'-	39635-33-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Polychlorinated Biphenyl (PCB)	1336-36-3	TRG	pg/l		105 J	23.8 J	73.7 J
E1668	TETRACHLORO 1,1'-BIPHENYL	33284-53-6	TRG	pg/l		400 CJ	446 BCJ	< 423 CU
E1668	Tetrachlorobiphenyl; 2,2',3,3'-	38444-93-8	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Tetrachlorobiphenyl; 2,2',3,4'-	36559-22-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,2',3,4-	52663-59-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,2',3,5'-	41464-39-5	TRG	pg/l		300 CJ	< 334 CU	< 318 CU
E1668	Tetrachlorobiphenyl; 2,2',3,5-	70362-46-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,2',3,6'-	41464-47-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,2',3,6-	70362-45-7	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Tetrachlorobiphenyl; 2,2',4,5'-	41464-40-8	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Tetrachlorobiphenyl; 2,2',4,5-	70362-47-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,2',4,6-	62796-65-0	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Tetrachlorobiphenyl; 2,2',5,5'-	35693-99-3	TRG	pg/l		200 J	223 BJ	212 BJ
E1668	Tetrachlorobiphenyl; 2,2',6,6'-	15968-05-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3,3',4'-	41464-43-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3,3',4-	74338-24-2	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3,3',5'-	41464-49-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3,3',5-	70424-67-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3,3',6-	74472-33-6	TRG	pg/l		< 300 CU	< 334 CU	< 318 CU

Table 1
Analytical Results for
Laboratory Method Blanks and Equipment Blank Samples EB01 and EB02

Method	Analyte	CAS_RN	Result Type	Unit	Portland Harbor ROD SW CUL	Laboratory Method Blank	Equipment Blank EB01-07/12/2022	Equipment Blank EB02-07/13/2022
E1668	Tetrachlorobiphenyl; 2,3,4,4'-	33025-41-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3',4,4'-	32598-10-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3,4',5-	74472-34-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3',4,5'-	73575-52-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3',4,5-	73575-53-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3,4',6-	52663-58-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3',5,5'-	41464-42-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 2,3',5',6-	74338-23-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 3,3',4,4'-	32598-13-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 3,3',4,5'-	41464-48-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 3,3',4,5-	70362-49-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 3,3',5,5'-	33284-52-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Tetrachlorobiphenyl; 3,4,4',5-	70362-50-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,2',3-	38444-78-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,2',4-	37680-66-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,2',5-	37680-65-2	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Trichlorobiphenyl; 2,2',6-	38444-73-4	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,3,3'-	38444-84-7	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Trichlorobiphenyl; 2,3,4'-	38444-85-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,3,4-	55702-46-0	TRG	pg/l		200 CJ	< 223 CU	< 212 CU
E1668	Trichlorobiphenyl; 2,3',4-	55712-37-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,3,5-	55720-44-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,3',5'-	37680-68-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,3',5-	38444-81-4	TRG	pg/l		< 200 CU	< 223 CU	< 212 CU
E1668	Trichlorobiphenyl; 2,3,6-	55702-45-9	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,3',6-	38444-76-7	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,4',5-	16606-02-3	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 2,4',6-	38444-77-8	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 3,3',4-	37680-69-6	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 3,3',5-	38444-87-0	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 3,4,4'-	38444-90-5	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 3,4,5-	53555-66-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1668	Trichlorobiphenyl; 3,4',5-	38444-88-1	TRG	pg/l		< 100 U	< 111 U	< 106 U
E1699M	2,4'-DDD	53-19-0	TRG	ng/l		< 0.12 U	< 0.086 U	< 0.11 U
E1699M	ALDRIN	309-00-2	TRG	ng/l	0.00077	< 0.049 U	< 0.026 U	< 0.033 U
E1699M	ALPHA-CHLORDANE	5103-71-9	TRG	ng/l		< 0.12 U	< 0.11 U	< 0.15 U
E1699M	BETA-CHLORDANE	5103-74-2	TRG	ng/l		< 0.12 U	< 0.11 U	< 0.16 U
E1699M	CHLORDANE	57-74-9	CALC	ng/l		< 0.067 U	< 0.07 U	< 0.055 U
E1699M	CIS-NONACHLOR	5103-73-1	TRG	ng/l		< 0.083 U	< 0.077 U	< 0.081 U
E1699M	HEXACHLOROBENZENE	118-74-1	TRG	ng/l	0.029	< 0.019 M,U	0.0435 M,J	0.0459 M,J
E1699M	O,P'-DDE	3424-82-6	TRG	ng/l		< 0.11 U	< 0.13 U	< 0.069 U
E1699M	O,P'-DDT	789-02-6	TRG	ng/l		< 0.11 U	< 0.14 U	< 0.13 U
E1699M	OXYCHLORDANE	27304-13-8	TRG	ng/l		< 0.067 U	< 0.07 U	< 0.055 U
E1699M	P,P'-DDD	72-54-8	TRG	ng/l	0.031	< 0.08 U	< 0.099 U	< 0.09 U
E1699M	P,P'-DDE	72-55-9	TRG	ng/l	0.018	< 0.13 U	< 0.19 U	< 0.11 U
E1699M	P,P'-DDT	50-29-3	TRG	ng/l	0.022	< 0.12 U	< 0.26 U	< 0.14 U
E1699M	SUM OF DDT AND DDT DEGRADATION PRODUCTS (DDT, DDD, DDE	TDDTS	CALC	ng/l	10	< 0.08 U	< 0.086 U	< 0.069 U
E1699M	TRANS-NONACHLOR	39765-80-5	TRG	ng/l		< 0.1 U	< 0.092 U	< 0.13 U
NWTPH-Dx	Diesel Range Organics	DRO	TRG	ug/L		41 J	120 J	
NWTPH-Dx	Residual Range Organics	RRO	TRG	ug/L		48 J	76 J	

Table 1
Analytical Results for
Laboratory Method Blanks and Equipment Blank Samples EB01 and EB02

Method	Analyte	CAS_RN	Result Type	Unit	Portland Harbor ROD SW CUL	Laboratory Method Blank	Equipment Blank EB01-07/12/2022	Equipment Blank EB02-07/13/2022
SW6020B	ARSENIC	7440-38-2	TRG	ug/L	0.018	< 0.200 U	< 0.200 U	< 0.200 U
SW6020B	CADMIUM	7440-43-9	TRG	ug/L		< 0.100 U	< 0.100 U	< 0.100 U
SW6020B	CHROMIUM, TOTAL	7440-47-3	TRG	ug/L	100	< 0.500 U	< 0.500 U	0.295 J
SW6020B	COPPER	7440-50-8	TRG	ug/L	2.74	< 0.500 U	< 0.500 U	< 0.500 U
SW6020B	LEAD	7439-92-1	TRG	ug/L		< 0.100 U	< 0.100 U	< 0.100 U
SW6020B	ZINC	7440-66-6	TRG	ug/L	36.5	< 6.00 U	< 6.00 U	< 6.00 U
SW7470A	MERCURY	7439-97-6	TRG	mg/L		0.000032 J	0.000026 B J	0.000031 B J
SW8082A	CHLOROBIPHENYL	37324-23-5	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8082A	PCB-1016 (AROCLOR 1016)	12674-11-2	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8082A	PCB-1221 (AROCLOR 1221)	11104-28-2	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8082A	PCB-1232 (AROCLOR 1232)	11141-16-5	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8082A	PCB-1242 (AROCLOR 1242)	53469-21-9	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8082A	PCB-1248 (AROCLOR 1248)	12672-29-6	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8082A	PCB-1254 (AROCLOR 1254)	11097-69-1	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8082A	PCB-1260 (AROCLOR 1260)	11096-82-5	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8082A	PCB-1268 (AROCLOR 1268)	11100-14-4	TRG	ug/L		< 0.010 U < 0.010 U	< 0.010 U	< 0.010 U
SW8270D	BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	TRG	ug/L	0.2	0.26 J	0.21 J	

ATTACHMENT B.4
RIVERBANK GRAB SAMPLE LOGS WITH PHOTOGRAPHIC DOCUMENTATION

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Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-125-MLW-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5666024,Longitude -122.7266959

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	25	Latitude 45.570668, Longitude -122.723099	Yes		0-1 ft.	sand

Additional Comments:
FD15

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-125-OHW-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5665932,Longitude -122.7266914

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	28	Latitude 45.570767, Longitude -122.723106	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-125-TOB-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5663215,Longitude -122.7262105

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	41	Latitude 45.570872, Longitude -122.723114	Yes	 	0-1 ft.	silty sand
08	58	Latitude 45.570872, Longitude -122.723114	Yes	 	1-2 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-124-OHW-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5665893,Longitude -122.7266895

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	05	Latitude 45.570792, Longitude -122.722719	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-124-MLW-0-1-10262022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5686806,Longitude -122.7215426

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	04	Latitude 45.570717, Longitude -122.722699	Yes	 	0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-124-TOB-0-1-10262022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5685986,Longitude -122.7214651

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	16	Latitude 45.570925, Longitude -122.722755	Yes	 	0-1 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-123-OHW-0-1-10262022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5665932,Longitude -122.7266914

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	46	Latitude 45.570846, Longitude -122.722349	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-123-TOB-0-1-10262022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5687017,Longitude -122.7178439

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	52	Latitude 45.570927, Longitude -122.722375	Yes		0-1 ft.	gravelly sand
09	58	Latitude 45.570927, Longitude -122.722375	Yes		1-2 ft.	gravelly sand

Additional Comments:
FD18

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-122-MLW-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5686078,Longitude -122.7213937

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	45	Latitude 45.570732, Longitude -122.721945	Yes		0-1 ft.	sand

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

09	54		Yes	  	1-2 ft.	sand

Additional Comments:
FD17 @9:50, MS/MSD @ 9:55

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-122-OHW-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5665893,Longitude -122.7266895

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	19	Latitude 45.570915, Longitude -122.721955	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-122-TOB-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5715842,Longitude -122.7216182

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	29	Latitude 45.571024, Longitude -122.721961	Yes	 	0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-122-TOB-1-2-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5686296,Longitude -122.7213921

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	32	Latitude 45.5686296,Longitude -122.7213921	Yes		0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-121-MLW-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5686312,Longitude -122.721887

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	27	Latitude 45.570707, Longitude -122.721656	Yes	 	0-1 ft.	sand

Additional Comments:
FD19 @ 10:32

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-121-OHW-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5682077,Longitude -122.7212325

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	28	Latitude 45.570858, Longitude -122.721536	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-121-TOB-0-1-10262022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5665886,Longitude -122.7266874

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	34	Latitude 45.570926, Longitude -122.721481	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-120-MLW-0-1-10032022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.570640833333336,Longitude -122.72127016666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	43	Latitude 45.570641,Longitude -122.72127033333334	Yes		0-0.33 ft.	Medium-coarse sand in voids around armoring. No fines in armoring below 4 inches.

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-120-OHW-0-1-10032022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.57064533333333,Longitude -122.721274

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	10	Latitude 45.570641,Longitude -122.72127033333334	Yes		0-1 ft.	Gravelly sand in voids in armoring

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-120-TOB-0-1-10032022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.570640833333336,Longitude -122.72127016666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	35	Latitude 45.570641,Longitude -122.72127033333334	Yes		0-1 ft.	sand with some gravel and fines

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-119-OHW-0-1-10032022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.57065083333333,Longitude -122.72086466666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
15	10	Latitude 45.570653166666666,Longitude -122.720865166666667	Yes		0-1 ft.	silty sandy gravel
15	33		Yes		1-2 ft.	Silty sandy gravel. Difficult to dig with manual tools.

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-119-TOB-0-1-10042022**
Weather Conditions:	Light drizzle
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.57069716666667,Longitude -122.720852

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	53	Latitude 45.570697167, Longitude-122.720852	Yes	No photo available	0-1 ft.	silty sand
09	08		Yes	No photo available	1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-118-OHW-0-1-10032022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5705015,Longitude -122.72054933333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
15	55	Latitude 45.5705015,Longitude-122.7205493	Yes		0-1 ft.	

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-118-TOB-0-1-10042022**
Weather Conditions:	Light drizzle
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.570536833333335,Longitude -122.72049766666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	35	Latitude 45.570536666666667,Longitude -122.72049766666666	Yes		0-1 ft.	silty sand
09	48		Yes	 	1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-117-MLW-0-1-10032022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.570320333333335,Longitude -122.7203085

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
16	30	Latitude 45.5703275,Longitude -122.7203095	Yes	 	0-1 ft.	sandy gravel in voids around armoring

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-117-OHW-0-1-10032022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.57036266666667,Longitude -122.72020816666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
16	35	Latitude 45.5703635,Longitude -122.7202075	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-117-TOB-0-1-10042022**
Weather Conditions:	Light drizzle
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.570381166666664,Longitude -122.720098

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	29	Latitude 45.570434, Longitude -122.720111	Yes	 	0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-116-OHW-0-1-10042022**
Weather Conditions:	Light drizzle
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5701815,Longitude -122.71989733333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	32	Latitude 45.5701815,Longitude -122.71989733333334	No	 	0-1 ft.	Rocky surface, unable to collect

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-116-TOB-0-1-10042022**
Weather Conditions:	Light drizzle
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5685817,Longitude -122.7214118

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	37	Latitude 45.570263, Longitude -122.719797	Yes		0-1 ft.	silty sand
11	43	Latitude 45.570263, Longitude -122.719797	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-115-OHW-0-1-10042022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5700175,Longitude -122.7196055

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	10	Latitude 45.570019833333333,Longitude -122.71961516666667	Yes	  	0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-115-TOB-0-1-10042022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.57007016666667,Longitude -122.71954433333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	14	Latitude 45.570068,Longitude -122.71954683333334	Yes		0-1 ft.	silty fine sand
12	24	Latitude 45.570065833333333,Longitude -122.7195485	Yes	 	1-2 ft.	silty fine sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-115-MLW-0-1-10042022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5699475,Longitude -122.71963733333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
		Latitude 45.569952166666667,Longitude -122.71963666666667	No		ft.	No fines visible to collect

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-114-OHW-0-1-10042022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56985066666667,Longitude -122.71929316666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	11	Latitude 45.569848833333333,Longitude -122.719292333333333	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-114-TOB-0-1-10042022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56992783333333,Longitude -122.71925216666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	57	Latitude 45.569927666666665,Longitude -122.719252	Yes		0-1 ft.	silty sand with gravel
13	06		Yes		1-2 ft.	silty sand
13	09	Latitude 45.569733833333333,Longitude -122.719257333333333	Yes		2-3 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-113-TOB-0-1-10042022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56973883333333,Longitude -122.71890516666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	22	Latitude 45.56974,Longitude -122.71890466666666	Yes		0-1 ft.	gravelly silty sand
14	44		Yes		1-2 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-112-MLW-0-1-10042022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56933544704875,Longitude -122.71850144940639

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	59	Latitude 45.569417166666667,Longitude -122.71866316666667	Yes	  	0-1 ft.	Silty fine-medium sand. Color change from brown to gray at approx. 2in. Field duplicate 01
15	36		Yes		1-2 ft.	silty fine-medium sand

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

16	02		Yes		2-3 ft.	Collected using lexan tube to prevent hole from caving. silty fine-medium sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-112-OHW-0-1-10042022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.569520833333335,Longitude -122.71865266666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
15	31	Latitude 45.569520833333335,Longitude -122.7186525	Yes		0-1 ft.	fine-medium sand with some silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-112-TOB-0-1 -10052022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5658129,Longitude -122.7199894

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	36	Latitude 45.569612, Longitude -122.718539	Yes	 	0-1 ft.	silty sand
08	48	Latitude 45.569612, Longitude -122.718539	Yes		1-2 ft.	silty sand
09	02	Latitude 45.569612, Longitude -122.718539	Yes		2-3 ft.	fine-medium sand with some fines

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-111-OHW-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56929516666667,Longitude -122.71847166666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	20	Latitude 45.5692895,Longitude -122.718468	No		0-1 ft.	Armoring, no sample collected.

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-111-TOB-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.569342166666665,Longitude -122.71837733333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	25	Latitude 45.567984224276 36,Longitude -122.715821854766 84	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-110-OHW-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56913866666667,Longitude -122.71838916666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	57	Latitude 45.569109333333333,Longitude -122.71816783333334	No		0-1 ft.	Armoring, no sample collected.

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-110-TOB-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.569162166666665,Longitude -122.71812233333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	57	Latitude 45.569163666666667,Longitude -122.71811333333333	Yes	 	0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-110-MLW-0-1-10052022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5690285,Longitude -122.71820583333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	56	Latitude 45.569027833333334,Longitude -122.71820283333334	Yes	 	0-1 ft.	Silt-clay. Seepage observed at base of slope.
10	24		Yes		1-2 ft.	silt-clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-109-OHW-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56892083333334,Longitude -122.717887

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	34	Latitude 45.56892083333334,Longitude -122.717887	Yes	 	0-1 ft.	Sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-109-TOB-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5690005,Longitude -122.71778116666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	49	Latitude 45.569001333333333,Longitude -122.71778216666667	Yes	 	0-1 ft.	Gravely silty sand / Gravely sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-108-OHW-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56876783333333,Longitude -122.717552

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	10	Latitude 45.568767166666667,Longitude -122.71755216666666	No		0-1 ft.	Too rocky, unable to collect a sample

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-108-TOB-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56882066666667,Longitude -122.71748766666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	10	Latitude 45.568820666666667,Longitude -122.71748783333334	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-107-TOB-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56871183333333,Longitude -122.71716266666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	17	Latitude 45.568711833333333,Longitude -122.71716266666667	Yes	 	0-1 ft.	Sandy silty gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-107-OHW-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56863883333333,Longitude -122.717248

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	21	Latitude 45.568639166666664,Longitude -122.717248666666666	Yes	 	0-1 ft.	Silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-106-TOB-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568596,Longitude -122.71680766666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	40	Latitude 45.568593,Longitude -122.71680833333333	Yes	 	0-1 ft.	Sandy silt
13	08		Yes		1-2 ft.	Sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-106-OHW-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56850466666667,Longitude -122.71685816666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	51	Latitude 45.56850383333333,Longitude -122.71686216666667	Yes	 	0-1 ft.	Silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-105-OHW-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56833316666667,Longitude -122.71657016666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	03	Latitude 45.568333666666667,Longitude -122.71657066666667	Yes		0-1 ft.	Silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-105-TOB-0-1-10052022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568425166666664,Longitude -122.71653016666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	25	Latitude 45.568425166666664,Longitude -122.71653016666667	Yes	 	0-1 ft.	sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-104-MLW-0-1-10062022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568103,Longitude -122.716266

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	09	Latitude 45.568101333333333,Longitude -122.7162675	Yes	 	0-1 ft.	gravelly sand / sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-104-OHW-0-1-10062022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5681865,Longitude -122.7162715

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	05	Latitude 45.568175, Longitude -122.71625	Yes	 	0-1 ft.	Sandy gravel with silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-104-TOB-0-1-10062022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568227,Longitude -122.71617266666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	08	Latitude 45.568227833333333,Longitude -122.71618016666666	Yes	 	0-1 ft.	Sandy silt
10	11		Yes		1-2 ft.	Sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-103-OHW-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56802066666667,Longitude -122.71642766666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	03	Latitude 45.568,Longitude -122.71598516666667	Yes	 	0-1 ft.	Sandy silt
11	17		Yes		1-2 ft.	Sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-103-TOB-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568039666666664,Longitude -122.7158625

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	14	Latitude 45.5680435,Longitude -122.715856333333333	Yes	  	0-1 ft.	sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-103-MLW-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568000833333336,Longitude -122.716072

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	27	Latitude 45.568000833333336,Longitude -122.716072	Yes	 	0-1 ft.	Sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-102-OHW-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5684108,Longitude -122.7166896

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	19	Latitude 45.567794666666664,Longitude -122.71571716666666	Yes	 	0-1 ft.	sand
12	36		Yes		1-2 ft.	sand
13	13		Yes		2-3 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-102-TOB-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5679,Longitude -122.71555666666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	20	Latitude 45.5679,Longitude -122.71555666666667	Yes	  	0-1 ft.	Silty sand
13	07		Yes		1-2 ft.	Silty fine sand

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

13	12		Yes		2-3 ft.	Silty fine sand

Additional Comments:
FD02 collected

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-102-MLW-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56768366666667,Longitude -122.71583366666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	10	Latitude 45.567683666666667,Longitude -122.71583366666667	Yes	 	0-1 ft.	silty gravelly sand
13	04		Yes		1-2 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-101-OHW-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56762666666667,Longitude -122.71545966666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	56	Latitude 45.567626666666667,Longitude -122.71546083333334	Yes	  	0-1 ft.	Gravelly sand
15	05		Yes		1-2 ft.	Silty fine-medium sand

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

15	14		Yes		2-3 ft.	Silty fine-medium sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-101-TOB-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56774866666667,Longitude -122.71527316666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	58	Latitude 45.567736166666667,Longitude -122.71526733333333	Yes	  	0-1 ft.	gravelly silty sand
15	03		Yes		1-2 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-101-MLW-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56754866666667,Longitude -122.71551983333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
15	00	Latitude 45.567550333333334,Longitude -122.71551783333334	Yes	  	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-100-MLW-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56739816666666,Longitude -122.71521016666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
15	52	Latitude 45.567399,Longitude -122.71520916666667	Yes	  	0-1 ft.	gravelly sand with silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-100-OHW-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5674565,Longitude -122.7151235

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
15	39	Latitude 45.567453, Longitude -122.715114	Yes	 	0-1 ft.	gravelly sand
15	46		Yes	 	1-2 ft.	silty sand

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

15	54		Yes	 	2-3 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-100-TOB-0-1-10062022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.567556833333335,Longitude -122.71491

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
15	40	Latitude 45.5675545,Longitude -122.71490783333333	Yes	 	0-1 ft.	sand
15	44		Yes		1-2 ft.	sand
15	53		Yes		2-3 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-099-TOB-0-1-10072022**
Weather Conditions:	Dense fog
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.567336833333336,Longitude -122.71476233333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	27	Latitude 45.567343,Longitude -122.71476883333334	Yes	  	0-1 ft.	silty sand
08	31		Yes		1-2 ft.	silty sand

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

08	44				2-3 ft.	silty sand w ith gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-099-OHW-0-1-10072022**
Weather Conditions:	Dense fog
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56729133333333,Longitude -122.714835

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	28	Latitude 45.567291333333333,Longitude -122.714835	Yes	 	0-1 ft.	silty sandy gravel
08	45		Yes		1-2 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-099-MLW-0-1-10072022**
Weather Conditions:	Dense fog
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.567215,Longitude -122.71491716666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	40	Latitude 45.567215166666664,Longitude -122.71491716666667	Yes	  	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-098-MLW-0-1-10072022**
Weather Conditions:	Dense fog
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.567060833333336,Longitude -122.71458633333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	23	Latitude 45.5670605,Longitude -122.7145866666666666	Yes	  	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-098-OHW-0-1-10072022**
Weather Conditions:	Dense fog
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.567131,Longitude -122.71452933333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	15	Latitude 45.567131,Longitude -122.71452933333333	Yes	  	0-1 ft.	silty sandy gravel
09	19	Latitude 45.567133,Longitude -122.71453	Yes		1-2 ft.	silty sandy gravel

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

09	24		Yes		2-3 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-098-TOB-0-1-10072022**
Weather Conditions:	Dense fog
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56723783333333,Longitude -122.71444233333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	16	Latitude 45.567131,Longitude -122.71452933333333	Yes	  	0-1 ft.	gravelly silty sand
09	20	Latitude 45.567133,Longitude -122.71453	Yes		1-2 ft.	gravelly silty sand

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

09	26	Latitude 45.567235,Longitude -122.71443816666667	Yes		2-3 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-097-MLW-0-1-10072022**
Weather Conditions:	Heavy fog
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566855,Longitude -122.71427583333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	26	Latitude 45.566854666666664,Longitude -122.714274	Yes	  	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-097-OHW-0-1-10072022**
Weather Conditions:	Foggy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56708416666667,Longitude -122.71405383333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	22	Latitude 45.567081666666667,Longitude -122.71404866666667	Yes		0-1 ft.	silty sand
10	27		Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-097-TOB-0-1-10072022**
Weather Conditions:	Foggy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56716133333333,Longitude -122.71403966666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	19	Latitude 45.567161333333333,Longitude -122.71403966666666	Yes		0-1 ft.	gravelly silty sand
10	23		Yes		1-2 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-096-MLW-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56669383333333,Longitude -122.7140045

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	08	Latitude 45.5666935,Longitude -122.71400466666667	Yes	   	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-096-TOB-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566979833333335,Longitude -122.71371883333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	02	Latitude 45.566977833333333,Longitude -122.7137205	Yes	  	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-096-OHW-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5669525,Longitude -122.71372883333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	03	Latitude 45.566952666666666,Longitude -122.713729	Yes	 	0-1 ft.	silty gravelly sand
12	07		Yes		1-2 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-095-MLW-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5664445,Longitude -122.713524

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	30	Latitude 45.566443333333333,Longitude -122.71352533333334	Yes		0-1 ft.	Sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-095-TOB-0-1-10072022**
Weather Conditions:	Sunny, few clouds
Sampling Crew:	ATE

Proposed Coordinates:	Lat/Long: Latitude 45.5668255,Longitude -122.71315

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	40	Latitude 45.566828166666667,Longitude -122.71314833333334	Yes		0-1 ft.	fine sandy silt. FD03-10072022 collected at this location.
12	52		Yes		1-2 ft.	fine sandy silt

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

13	00		Yes		2-3 ft.	fine sandy silt

Additional Comments:
FD03 collected

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-095-OHW-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56673166666667,Longitude -122.71325683333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	46	Latitude 45.566730666666665,Longitude -122.7132565	Yes	  	0-1 ft.	Silty fine sand with gravel. Refusal at bottom. Hit old road

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-094-MLW-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56637333333333,Longitude -122.71323666666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	47	Latitude 45.5663765,Longitude -122.71324016666667	Yes	  	0-1 ft.	silty sand with gravel at surface and then clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-094-OHW-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56661066666667,Longitude -122.71298733333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	44	Latitude 45.566611,Longitude -122.71298733333333	Yes	 	0-1 ft.	sandy gravelly silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-094-TOB-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566655833333336,Longitude -122.712959

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	42	Latitude 45.5666575,Longitude -122.712957333333334	Yes		0-1 ft.	silty fine sand with organics
13	45		Yes		1-2 ft.	silty sand /sandy silt with gravel and organics
13	47		Yes		2-3 ft.	silty sand / sandy silt with gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-093-TOB-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566532333333335,Longitude -122.712771

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	30	Latitude 45.566532,Longitude -122.712769333333333	Yes	  	0-1 ft.	Sandy gravelly silt
14	33		Yes		1-2 ft.	Sandy gravelly silt with organics

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

14	36		Yes		2-3 ft.	Sandy gravelly silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-093-OHW-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566472,Longitude -122.71281233333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	31	Latitude 45.566471833333333,Longitude -122.7128125	Yes		0-1 ft.	sandy silt
14	42		Yes		1-2 ft.	sandy silt
14	48		Yes		ft.	

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-093-MLW-0-1-10072022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56625066666667,Longitude -122.7129955

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	54	Latitude 45.566255666666666,Longitude -122.712994333333333	Yes	  	0-1 ft.	Gravelly sand with silt
14	58		Yes		1-2 ft.	Silty sandy gravel with clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-092-TOB-0-1-10102022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56627066666667,Longitude -122.71241216666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	31	Latitude 45.566268333333333,Longitude -122.71241016666667	Yes		0-1 ft.	Sandy gravelly silt
08	57	Latitude 45.566288833333333,Longitude -122.7124285	Yes		1-2 ft.	silt / silty fine sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-092-MLW-0-1-10102022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56609616666667,Longitude -122.71265616666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	41	Latitude 45.566095,Longitude -122.7126575	Yes		0-1 ft.	silty sand
08	47	Latitude 45.566095833333335,Longitude -122.712660833333333	Yes		1-2 ft.	silty sand underlain by clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-092-OHW-0-1-10102022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566226666666665,Longitude -122.712528

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	47	Latitude 45.5662275,Longitude -122.712528	Yes	 	0-1 ft.	sandy gravelly silt with organics

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-091-MLW-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56589116666667,Longitude -122.712313

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	38	Latitude 45.565890833333334,Longitude -122.712312666666666	Yes		0-1 ft.	gravelly sand
09	42	Latitude 45.565894,Longitude -122.712314666666667	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-091-OHW-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5661545,Longitude -122.7121605

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	46	Latitude 45.56615516666667,Longitude -122.71216066666666	Yes		0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-091-TOB-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56626033333333,Longitude -122.71200633333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	57	Latitude 45.566261333333333,Longitude -122.71200133333333	Yes		0-1 ft.	sandy silt
10	06	Latitude 45.5662575,Longitude -122.71200716666667	Yes		1-2 ft.	sandy silt
10	11		Yes		2-3 ft.	silty sand / sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-090-MLW-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565788833333336,Longitude -122.71210583333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	26	Latitude 45.565789166666667,Longitude -122.7121065	Yes	 	0-1 ft.	silty sand underlain by clay
10	31		Yes		1-2 ft.	clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-090-OHW-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566008833333335,Longitude -122.71188533333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	21	Latitude 45.566009833333333,Longitude -122.71187983333333	Yes	 	0-1 ft.	sandy silt
10	35	Latitude 45.566001166666666,Longitude -122.71189833333334	Yes		1-2 ft.	sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-090-TOB-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5660425,Longitude -122.71174483333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	57	Latitude 45.566041166666665,Longitude -122.71174083333334	Yes	 	0-1 ft.	silty sandy gravel
11	03		Yes		1-2 ft.	silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-089-MLW-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565596166666666,Longitude -122.71170216666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	01	Latitude 45.565596166666666,Longitude -122.71170216666667	Yes		0-1 ft.	gravelly sand
13	08	Latitude 45.565596166666666,Longitude -122.71170216666667	Yes		1-2 ft.	silty sand underlain by clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-089-OHW-0-1-10102020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56586633333333,Longitude -122.71152816666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	03	Latitude 45.565869333333333,Longitude -122.71153066666666	Yes		0-1 ft.	silty fine sand / sandy silt
13	09	Latitude 45.565870166666667,Longitude -122.7115305	Yes		1-2 ft.	silt / sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-089-TOB-0-1-10102020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565904833333335,Longitude -122.71148383333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	20	Latitude 45.565903666666664,Longitude -122.71148483333333	Yes	 	0-1 ft.	sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-088-MLW-1-0-10102020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56542016666667,Longitude -122.71143733333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	34	Latitude 45.565421333333333,Longitude -122.71143766666667	Yes		0-1 ft.	silt
13	42		Yes		1-2 ft.	silty clay / clayey silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-088-OHW-0-1-10102020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56568516666667,Longitude -122.71119066666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	42	Latitude 45.565688333333334,Longitude -122.71118783333333	Yes		0-1 ft.	sandy silt with organics
13	46	Latitude 45.565695666666667,Longitude -122.71119383333334	Yes		1-2 ft.	sandy silt with organics

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-088-TOB-0-1-10102020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56572883333333,Longitude -122.71115066666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	54	Latitude 45.565727166666667,Longitude -122.71115016666667	Yes		0-1 ft.	silty gravelly sand with organics

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-088-MLW-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56538416666667,Longitude -122.71137933333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	40	Latitude 45.565433166666665,Longitude -122.71139283333333	Yes		0-1 ft.	silt/clay.

Additional Comments:
FD04 collected.

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-087-MLW-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56532333333333,Longitude -122.71114366666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	55	Latitude 45.565323166666666,Longitude -122.71114316666667	Yes	 	0-1 ft.	silty sand
15	01	Latitude 45.565322833333333,Longitude -122.71114166666666	Yes	 	1-2 ft.	silt/clay with silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-087-OHW-0-1-10102022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56549183333333,Longitude -122.71098083333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	57	Latitude 45.565494166666667,Longitude -122.71097916666666	Yes		0-1 ft.	fine sand with organics
15	07	Latitude 45.565496166666667,Longitude -122.71098216666667	Yes		1-2 ft.	silty sand
15	12		Yes		2-3 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-087-TOB-0-1-10102020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56558033333334,Longitude -122.71089916666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	59	Latitude 45.565581166666667,Longitude -122.71089733333334	Yes		0-1 ft.	silty gravelly sand
15	03	Latitude 45.565582666666664,Longitude -122.71089016666667	Yes		1-2 ft.	silty sand / sandy silt with organics and gravel
15	06	Latitude 45.565581166666667,Longitude -122.71088766666666	Yes		2-3 ft.	silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-086-MLW-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56509166666667,Longitude -122.71090933333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	26	Latitude 45.565121666666667,Longitude -122.71090433333333	Yes	 	0-1 ft.	gravelly sand
10	31		Yes		1-2 ft.	silty sand with clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-086-TOB-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5627882,Longitude -122.7134737

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	34	Latitude 45.565427, Longitude -122.710552	Yes		0-0.7 ft.	Refusal at 0.7 ft. Silty sandy gravel.

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-086-OHW-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565352833333336,Longitude -122.70958916666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	50	Latitude 45.565349333333333,Longitude -122.70954766666667	Yes	 	0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-085-TOB-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565205666666664,Longitude -122.71023183333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	49	Latitude 45.565236333333333,Longitude -122.710223	Yes	 	0-1 ft.	silty fine sand
10	56		Yes		1-2 ft.	silty fine sand / sandy silt
11	00		Yes		2-3 ft.	silty fine sand / sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-085-OHW-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	HW

Proposed Coordinates:	Lat/Long: Latitude 45.56502283333333,Longitude -122.71041483333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	05	Latitude 45.565176267785553,Longitude -122.71032200958885	Yes		0-1 ft.	silty fine sand
11	12		Yes	No photo available	1-2 ft.	silty fine sand / sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-085-MLW-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56511666666667,Longitude -122.71044066666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	30	Latitude 45.565064166666666,Longitude -122.71047216666666	Yes		0-1 ft.	silty clay
11	36		Yes		1-2 ft.	silty clay / clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-084-MLW-0-1-10112022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56502784711016,Longitude -122.71006668056955

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	21	Latitude 45.564999913350 91,Longitude -122.710105295 97741	Yes		0-1 ft.	silt/clay w ith discontinuous sand clasts
13	28	Latitude 45.564990323452 99,Longitude -122.710113950 40884	Yes		1-2 ft.	silt/clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-084-OHW-0-1-10112022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56510139984512,Longitude -122.71000120794587

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	13	Latitude 45.565060194397758,Longitude -122.71002407531705	Yes		0-1 ft.	silty sand
13	17		Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-084-TOB-0-1-10112022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565076207156785,Longitude -122.70995143758026

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	21	Latitude 45.565005898778998,Longitude -122.70992436491274	Yes		0-1 ft.	fine sand with silt and < 10 percent small, rounded quartzite pebbles
13	27	Latitude 45.565091872918610,Longitude -122.70999411977763	Yes		1-2 ft.	fine sand with silt and < 10 percent small, rounded quartzite pebbles

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-083-MLW-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564766666666664,Longitude -122.7098095

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	53	Latitude 45.564762833333333,Longitude -122.70981333333333	Yes		0-1 ft.	silty gravelly sand at the surface underlain by silt/clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-083-OHW-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56481016666667,Longitude -122.70975266666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	50	Latitude 45.564810666666666,Longitude -122.709752666666667	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-083-TOB-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56492983333333,Longitude -122.70970233333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	40	Latitude 45.564930166666667,Longitude -122.70970433333333	Yes		0-1 ft.	silty sand with pebbles
14	53	Latitude 45.564926666666665,Longitude -122.70970116666666	Yes	 	1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-082-MLW-0-1-10112020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564514333333335,Longitude -122.70960766666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	13	Latitude 45.564522833333335,Longitude -122.70960666666667	Yes		0-1 ft.	sandy silt at the surface underlain by clay
14	20	Latitude 45.564507166666665,Longitude -122.70959966666666	Yes		1-2 ft.	silty clay / clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-082-OHW-0-1-10112022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56444416666667,Longitude -122.709821

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	11	Latitude 45.564664, Longitude -122.709414	Yes	 	0-1 ft.	fine sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-082-TOB-0-1-10112020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56479933333333,Longitude -122.70937266666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	24	Latitude 45.564781333333336,Longitude -122.709366333333334	Yes		0-1 ft.	sandy silty gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-081-MLW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564424833333334,Longitude -122.70928033333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	43	Latitude 45.564417833333333,Longitude -122.70927366666666	Yes	 	0-1 ft.	sand with some gravel
08	51	Latitude 45.564422666666665,Longitude -122.70927016666667	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-081-OHW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56448783333333,Longitude -122.70918483333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	45	Latitude 45.564487666666665,Longitude -122.70918233333333	Yes		0-1 ft.	silty sand with gravel
08	53	Latitude 45.564486166666667,Longitude -122.70918383333333	Yes		1-2 ft.	silty sand with gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-081-TOB-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56456033333333,Longitude -122.70910233333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	04	Latitude 45.564560333333333,Longitude -122.709101666666667	Yes	 	0-1 ft.	gravelly silty sand
09	11	Latitude 45.564553333333336,Longitude -122.709113333333333	Yes		1-2 ft.	silty sand with gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-081-OHW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56444666666667,Longitude -122.70920716666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	43	Latitude 45.56444666666667,Longitude -122.70920733333334	Yes		0-1 ft.	silty sand with gravel
08	53		Yes	No photo available	1-2 ft.	silty sand with gravel

Additional Comments:
FD06 collected

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-080-MLW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564225666666665,Longitude -122.70898716666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	28	Latitude 45.564218666666667,Longitude -122.70899566666667	Yes		0-1 ft.	sand
09	32	Latitude 45.564210333333335,Longitude -122.70899633333333	Yes		1-2 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-080-OHW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564355666666664,Longitude -122.70892166666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	29	Latitude 45.564331333333335,Longitude -122.70886583333333	Yes	 	0-1 ft.	sandy silt with gravel and organics

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-080-TOB-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56435416666667,Longitude -122.70873333333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	44	Latitude 45.564357166666667,Longitude -122.70873366666666	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-079-MLW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564021333333336,Longitude -122.70874833333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	51	Latitude 45.564016666666667,Longitude -122.70876383333334	Yes		0-1 ft.	silty sand underlain by clay
09	57	Latitude 45.564033166666667,Longitude -122.70873816666666	Yes	 	1-2 ft.	clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-079-OHW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564114000000004,Longitude -122.70900483333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	21	Latitude 45.564091, Longitude -122.708612	Yes		0-1 ft.	silty sand
10	33	Latitude 45.564091, Longitude -122.708612	Yes		1-2 ft.	silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-079-TOB-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5627868,Longitude -122.713468

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	51		Yes		0-1 ft.	fine sandy silt / loam
11	01	Latitude 45.5628071,Longitude -122.7134465	Yes		1-2 ft.	fine sandy silt / loam

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-078-MLW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563785333333335,Longitude -122.70847783333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	48	Latitude 45.563774833333333,Longitude -122.70848633333334	Yes	 	0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-078-OHW-0-1-10122020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562914166666665,Longitude -122.70785616666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	51	Latitude 45.562850666666667,Longitude -122.70782116666666	Yes	 	0-1 ft.	silty sand
13	01	Latitude 45.563932166666667,Longitude -122.70839283333333	Yes		1-2 ft.	sandy silt / loam

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-078-TOB-0-1-10122020**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56409583333333,Longitude -122.70830283333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	09	Latitude 45.564100166666667,Longitude -122.7083095	Yes	 	0-1 ft.	sandy silty gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-077-MLW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56363133333333,Longitude -122.70816616666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	19	Latitude 45.563630166666667,Longitude -122.70817016666666	Yes		0-1 ft.	sand with gravel
13	24	Latitude 45.5611866,Longitude -122.7087449	Yes		1-2 ft.	silt/clay

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-077-OHW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56374366666667,Longitude -122.70854333333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	24	Latitude 45.563802, Longitude -122.707954	Yes		0-1 ft.	silty sand
13	31	Latitude 45.563802, Longitude -122.707954	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-077-TOB-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56378866666667,Longitude -122.70805616666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	39	Latitude 45.563789833333333,Longitude -122.70805783333333	Yes		0-1 ft.	gravelly silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-076-MLW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563730166666666,Longitude -122.70806183333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	55	Latitude 45.563466, Longitude -122.707835	Yes		0-1 ft.	sandy silt
14	02	Latitude 45.563466, Longitude -122.707835	Yes	 	1-2 ft.	sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-076-OHW-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56361916666667,Longitude -122.70767933333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	30	Latitude 45.563618166666664,Longitude -122.70766716666667	Yes		0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-076-TOB-0-1-10122022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563839333333334,Longitude -122.70765333333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	19	Latitude 45.563776, Longitude -122.707479	Yes		0-1 ft.	silty sand
14	25	Latitude 45.563776, Longitude -122.707479	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-075-MLW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56331766666667,Longitude -122.70749733333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	45	Latitude 45.563320833333336,Longitude -122.70749533333333	Yes		0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-075-OHW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562969833333334,Longitude -122.70699333333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	51	Latitude 45.563454, Longitude -122.707348	Yes	 	0-1 ft.	gravelly sand
09	56	Latitude 45.563454, Longitude -122.707348	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-075-TOB-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56361533333333,Longitude -122.70723733333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	04	Latitude 45.563586333333333,Longitude -122.70722383333333	Yes	 	0-1 ft.	silty gravelly sand
10	08		Yes		1-2 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-074-MLW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56310766666667,Longitude -122.70711316666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	31	Latitude 45.563144833333333,Longitude -122.70708666666667	Yes		0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-074-OHW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563365833333336,Longitude -122.70703533333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	41	Latitude 45.563337166666666,Longitude -122.70706233333334	Yes		0-1 ft.	silty sand
10	44	Latitude 45.563348666666667,Longitude -122.70708266666666	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-074-TOB-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56348986143794,Longitude -122.7068203699112

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	54	Latitude 45.563520741654 02,Longitude -122.706864264 42337	Yes		0-1 ft.	silty sand
10	57	Latitude 45.563465803771 92,Longitude -122.706831098 74726	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-073-MLW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563060666666665,Longitude -122.70698066666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	19	Latitude 45.563060833333333,Longitude -122.70697566666666	Yes		0-1 ft.	sandy silt

Additional Comments:
FD07 collected - 10132022-11:24- 0-1

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-073-OHW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5632347642359,Longitude -122.70663129385376

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	17		Yes		0-1 ft.	sandy silt
11	22		Yes		1-2 ft.	sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-073-TOB-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563325821027505,Longitude -122.70651825946045

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	33		Yes	 	0-1 ft.	silty sand
11	41		Yes		1-2 ft.	silty sand with gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-072-MLW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56287183333333,Longitude -122.70669033333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	23	Latitude 45.562856666666667,Longitude -122.70665316666667	Yes		0-1 ft.	sand
13	30	Latitude 45.562860833333333,Longitude -122.70663366666666	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-072-OHW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5637501,Longitude -122.7048122

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	27		Yes		0-1 ft.	silty sand
13	31		Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-072-TOB-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56297333333333,Longitude -122.70657466666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	39	Latitude 45.5636381,Longitude -122.7060203	Yes		0-1 ft.	silty sand / sandy silt
13	44	Latitude 45.5632245,Longitude -122.7047456	Yes		1-2 ft.	silty sand / sandy silt
13	51		Yes	 	2-3 ft.	silty sand / sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-071-MLW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562624666666665,Longitude -122.70663133333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	48	Latitude 45.562648333333335,Longitude -122.70656883333334	Yes		0-1 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-071-OHW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562665,Longitude -122.70612466666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	02	Latitude 45.562666166666666,Longitude -122.70613533333334	Yes		0-1 ft.	sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-071-TOB-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56272666666667,Longitude -122.70599783333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	11	Latitude 45.562719333333334,Longitude -122.706003333333333	Yes		0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-070-MLW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562556666666666,Longitude -122.70643233333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	54	Latitude 45.562551666666664,Longitude -122.70643483333333	Yes		0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-070-OHW-0-1-10132022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56248866666667,Longitude -122.70616316666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	54	Latitude 45.562507833333335,Longitude -122.70619066666667	Yes		0-1 ft.	silty sand and gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-069-MLW-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56229316666666,Longitude -122.70661733333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	43	Latitude 45.562291833333333,Longitude -122.70662733333333	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-069-OHW-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56223266666667,Longitude -122.7065085

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	44	Latitude 45.562231666666667,Longitude -122.70650483333333	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-069-TOB-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56218883333333,Longitude -122.70639633333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	38	Latitude 45.562187833333333,Longitude -122.70638733333334	Yes	 	0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-068-TOB-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.561981833333334,Longitude -122.70658833333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	53	Latitude 45.561982666666665,Longitude -122.706587666666666	Yes	 	0-1 ft.	sand
09	01	Latitude 45.561977833333333,Longitude -122.706595166666667	Yes		1-2 ft.	sand
09	04	Latitude 45.561969833333336,Longitude -122.706593666666666	Yes		2-3 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-068-OHW-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56200666666667,Longitude -122.70670866666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	01	Latitude 45.562007833333333,Longitude -122.70671383333334	Yes	 	0-1 ft.	silty sand with gravel
09	06	Latitude 45.562009333333336,Longitude -122.70671666666667	Yes		1-2 ft.	silty sand with gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-068-MLW-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56205583333333,Longitude -122.70685816666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	20	Latitude 45.562058333333333,Longitude -122.70686866666667	Yes		0-1 ft.	sand with gravel
09	26	Latitude 45.562052833333333,Longitude -122.70681433333333	Yes		1-2 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-067-MLW-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56180716666667,Longitude -122.70695866666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	32	Latitude 45.561804666666667,Longitude -122.70694733333333	Yes		0-1 ft.	gravelly sand
09	39	Latitude 45.561906833333333,Longitude -122.70716483333334	Yes		1-2 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-067-TOB-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56168483333333,Longitude -122.70676666666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	13	Latitude 45.561685333333334,Longitude -122.70675933333334	Yes		0-1 ft.	silty sand
09	15	Latitude 45.561687166666665,Longitude -122.70676133333333	Yes		1-2 ft.	silty sand
09	17	Latitude 45.561681666666665,Longitude -122.70676583333334	Yes		2-3 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-067-OHW-0-1-10142022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56175966666667,Longitude -122.70684733333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	56	Latitude 45.561760833333333,Longitude -122.70685166666667	Yes		0-1 ft.	sand
10	03	Latitude 45.561760666666665,Longitude -122.70686416666666	Yes		1-2 ft.	sand with gravel
10	07	Latitude 45.561765333333334,Longitude -122.70687733333334	Yes		2-3 ft.	sand with gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-066-MLW-0-1-10182022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56159666666667,Longitude -122.70735966666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	03	Latitude 45.561581833333335,Longitude -122.70735083333334	Yes		0-1 ft.	sand
10	08	Latitude 45.561597833333333,Longitude -122.70733783333333	Yes		1-2 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-066-TOB-0-1-10182022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56148233333333,Longitude -122.70691266666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	04	Latitude 45.561483333333335,Longitude -122.70692966666667	Yes		0-1 ft.	gravelly sand
10	07	Latitude 45.561471333333333,Longitude -122.70696616666666	Yes		1-2 ft.	gravelly sand
10	15	Latitude 45.561445166666665,Longitude -122.70696483333333	Yes		2-3 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-066-OHW-0-1-10182022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56154033333333,Longitude -122.70704316666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	03	Latitude 45.561542833333334,Longitude -122.70703366666666	Yes	 	0-1 ft.	gravelly sand
10	16	Latitude 45.5605221,Longitude -122.7087353	Yes		1-2 ft.	gravelly sand
10	24	Latitude 45.561542833333334,Longitude -122.70704766666667	Yes		2-3 ft.	gravelly sand

Additional Comments:
FD09 collected

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-065-MLW-0-1-10182022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.561545333333335,Longitude -122.70756083333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	37	Latitude 45.561379, Longitude -122.707446	Yes		0-1 ft.	gravelly sand
13	41	Latitude 45.561379, Longitude -122.707446	Yes		1-2 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-065-OHW-0-1-10182022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56129466666667,Longitude -122.70727183333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	39	Latitude 45.561289333333335,Longitude -122.70726916666666	Yes		0-1 ft.	sand with gravel
13	48	Latitude 45.561305833333336,Longitude -122.70727916666667	Yes		1-2 ft.	sand
14	18	Latitude 45.561314333333335,Longitude -122.70728933333334	Yes		2-3 ft.	sand

Additional Comments:
FD10 collected

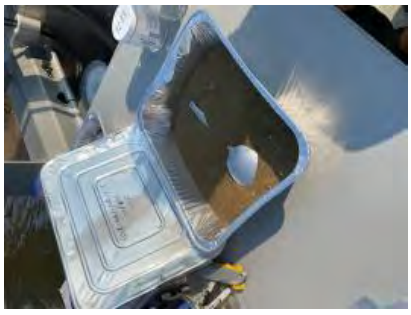
Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-065-TOB-0-1-10182022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56121683333333,Longitude -122.70718466666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	38	Latitude 45.561217166666665,Longitude -122.70718833333333	Yes		0-1 ft.	sand
13	43	Latitude 45.561216666666667,Longitude -122.70716783333333	Yes		1-2 ft.	sand
13	45	Latitude 45.561208166666667,Longitude -122.70719283333334	Yes		2-3 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-064-MLW-0-1-10182022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.561210333333335,Longitude -122.70775316666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	03	Latitude 45.561187666666667,Longitude -122.70772533333333	Yes		0-1 ft.	sand
14	12	Latitude 45.561173666666667,Longitude -122.70771166666667	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-064-OHW-0-1-10182022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56107866666667,Longitude -122.70753133333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
14	10	Latitude 45.561070666666666,Longitude -122.70752633333333	Yes		0-1 ft.	sand
14	19	Latitude 45.561082833333333,Longitude -122.70753766666667	Yes		1-2 ft.	sand
14	31	Latitude 45.561086333333336,Longitude -122.70753333333333	Yes		2-3 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-064-TOB-0-1-10182022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56100283333333,Longitude -122.70741533333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	52	Latitude 45.560986333333333,Longitude -122.70742416666667	Yes		0-1 ft.	sand
13	56	Latitude 45.560975666666664,Longitude -122.70741616666666	Yes		1-2 ft.	sand with some gravel
13	59	Latitude 45.560981333333333,Longitude -122.70741383333333	Yes		2-3 ft.	sand with gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-063-MLW-0-1-10182022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.561118666666665,Longitude -122.70779266666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	40	Latitude 45.561131166666667,Longitude -122.70776083333334	Yes		0-1 ft.	gravelly sandy silt
11	46	Latitude 45.561108666666667,Longitude -122.70780183333333	Yes		1-2 ft.	silty sand with gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-063-OHW-0-1-10182022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56102116666667,Longitude -122.70784483333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	59	Latitude 45.561048166666666,Longitude -122.70781833333334	Yes	 	0-1 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-063-TOB-0-1-10182022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56095666666667,Longitude -122.70793916666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	01	Latitude 45.560957666666667,Longitude -122.70793916666666	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-062-MLW-0-1-10182022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.561303833333334,Longitude -122.70799083333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	13	Latitude 45.561295333333334,Longitude -122.707998333333334	Yes		0-1 ft.	sand with gravel
11	18	Latitude 45.561283333333336,Longitude -122.708017833333333	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-062-OWH-0-1-10182022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56128133333333,Longitude -122.70810616666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	19	Latitude 45.561303833333334,Longitude -122.70808833333334	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-062-TOB-0-1-10182022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56113116666667,Longitude -122.70815783333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	48	Latitude 45.561138333333333,Longitude -122.70815366666666	Yes	 	0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-061-MLW-0-1-10192022**
Weather Conditions:	Clear, sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5612971,Longitude -122.7086626

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	44	Latitude 45.561496, Longitude -122.708323	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-061-OHW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5612932,Longitude -122.7086411

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	47	Latitude 45.561435, Longitude -122.708384	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-060-MLW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5616382,Longitude -122.7085059

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	54	Latitude 45.561651, Longitude -122.70862	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-060-OHW-0-1-10192022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5628781,Longitude -122.704336

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	59	Latitude 45.561598, Longitude -122.708685	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-059-MLW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5618393,Longitude -122.7090173

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	06	Latitude 45.5611807,Longitude -122.708753	Yes	 	0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-059-OHW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	AJH

Proposed Coordinates:	Lat/Long: Latitude 45.5616952,Longitude -122.7089525

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	19	Latitude 45.5616952,Longitude -122.7089525	Yes	 	0-1 ft.	gravelly sandy silt

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-058-MLW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5627868,Longitude -122.713468

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	45	Latitude 45.561982, Longitude -122.709247	Yes		0-1 ft.	sandy gravel

Additional Comments:
FD11 MS/MSD

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-058-OHW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5625925,Longitude -122.7046447

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	48	Latitude 45.561943, Longitude -122.709288	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-057-MLW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56212983333333,Longitude -122.70957633333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	26	Latitude 45.5621285,Longitude -122.70958066666667	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-057-OHW-0-1-10192022**
Weather Conditions:	Sunny,clear
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56206183333333,Longitude -122.70962666666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	22	Latitude 45.562062333333333,Longitude -122.709625333333334	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-057-TOB-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562053166666665,Longitude -122.70973116666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	37		Yes	 	0-1 ft.	silty gravelly sand
10	45		Yes		1-2 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-056-MLW-0-1-10192022**
Weather Conditions:	Sunny, smoke
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562307833333335,Longitude -122.70986566666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	53	Latitude 45.562306333333333,Longitude -122.70989233333333	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-056-OHW-0-1-10192022**
Weather Conditions:	Sunny, smoky
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56226,Longitude -122.70999016666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	56	Latitude 45.562265166666667,Longitude -122.7098735	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-056-TOB-0-1-10192022**
Weather Conditions:	Sunny, smoky
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5622125,Longitude -122.70997266666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	01	Latitude 45.562215,Longitude -122.70998816666666	Yes	 	0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-055-TOB-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5623565,Longitude -122.71028566666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	11	Latitude 45.562359166666667,Longitude -122.71028033333333	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-054-TOB-0-1-10192022**
Weather Conditions:	Sunny & smoky
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562507,Longitude -122.71066383333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	17	Latitude 45.562507666666667,Longitude -122.71066166666667	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-055-OHW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56243216666667,Longitude -122.71026366666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	19	Latitude 45.562431333333336,Longitude -122.71025916666666	Yes	 	0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-054-OHW-0-1-10192022**
Weather Conditions:	Sunny
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5626375,Longitude -122.71057883333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	26	Latitude 45.5626175,Longitude -122.71057633333334	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-053-OHW-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56277716666666,Longitude -122.7108175

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	16	Latitude 45.562782166666665,Longitude -122.710808333333333	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-053-MLW-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562805833333336,Longitude -122.710783

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	18	Latitude 45.562806166666667,Longitude -122.71078233333333	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-053-TOB-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56276,Longitude -122.710926

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	31	Latitude 45.563089333333333,Longitude -122.7112175	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-052-OHW-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5639211,Longitude -122.7107689

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	51	Latitude 45.56293, Longitude -122.711161	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-051-TOB-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56307616666667,Longitude -122.7114975

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	53	Latitude 45.563075833333336,Longitude -122.71149766666667	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-052-TOB-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.562881,Longitude -122.711252

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	43	Latitude 45.562880833333333,Longitude -122.711252	Yes		0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-051-OHW-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563143333333336,Longitude -122.71149216666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	11	Latitude 45.563142,Longitude -122.71149366666667	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-050-OHW-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5644406,Longitude -122.7098202

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	23	Latitude 45.563263, Longitude -122.711783	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-050-TOB-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5625919,Longitude -122.7125899

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	15	Latitude 45.563211, Longitude -122.711841	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-049-OHW-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	AJH

Proposed Coordinates:	Lat/Long: Latitude 45.5644378,Longitude -122.7098229

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	41	Latitude 45.563433, Longitude -122.712088	Yes	 	0-1 ft.	gravelly sand

Additional Comments:
FD12 collected

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-049-TOB-0-1-10202022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56338383333333,Longitude -122.71216666666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	23	Latitude 45.563384666666664,Longitude -122.7121685	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-048-MLW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56364770405777,Longitude -122.7124160995805

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	41	Latitude 45.563645, Longitude -122.712348	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-048-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56363143866878,Longitude -122.71236047298072

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	52	Latitude 45.563580212506594,Longitude -122.71241198122185	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-048-TOB-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563353814071775,Longitude -122.71207658998082

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	03	Latitude 45.563549, Longitude -122.712459	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-047-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56379540933362,Longitude -122.712739334882

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	58	Latitude 45.563802617468888,Longitude -122.71273918365914	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-047-TOB-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56332740230164,Longitude -122.71204003593716

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	43	Latitude 45.563719, Longitude -122.712781	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-046-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56393642698903,Longitude -122.71296492532191

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	09	Latitude 45.563942323863 22,Longitude -122.712965574 23395	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-046-TOB-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563717633431274,Longitude -122.71277924661904

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	53	Latitude 45.56387, Longitude -122.713077	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-045-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564089672786636,Longitude -122.7132655301786

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	44	Latitude 45.564071145542464,Longitude -122.7132646041212	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-045-TOB-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.563954326136745,Longitude -122.71316527478572

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	58	Latitude 45.56404, Longitude -122.713402	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-044-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56422583315453,Longitude -122.71369617921941

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	27	Latitude 45.564226374753595,Longitude -122.71369942007486	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-044-TOB-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564279022205405,Longitude -122.7137151489157

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	10	Latitude 45.564281210304 64,Longitude -122.713711529 88885	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:
FD13 collected

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-043-TOB-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56442870455004,Longitude -122.7140493363245

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	57	Latitude 45.56442870455004,Longitude -122.7140493363245	Yes	 	0-1 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-043-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56449098481421,Longitude -122.71398605818304

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	24	Latitude 45.564471577179795,Longitude -122.71398443344675	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-042-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56482498091183,Longitude -122.7142751801033

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	10	Latitude 45.56458, Longitude -122.714246	Yes		0-1 ft.	silty gravelly sand
13	16	Latitude 45.56458, Longitude -122.714246	Yes		1-2 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-042-MLW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56470549471287,Longitude -122.71395198948827

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	23	Latitude 45.564611, Longitude -122.714123	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-041-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5699308346836,Longitude -122.71547253423152

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	13	Latitude 45.564701, Longitude -122.714467	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-041-MLW-0-1-1042022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.564926205555444,Longitude -122.7143906158994

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	22	Latitude 45.564946343406 4,Longitude -122.71435857086492	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-40-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5649484664951,Longitude -122.71435024408167

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	44	Latitude 45.564874, Longitude -122.714771	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-040-MLW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56509544527201,Longitude -122.714626222297

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	27	Latitude 45.564932, Longitude -122.714702	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-039-MLW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56526802044829,Longitude -122.71482825585043

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	26	Latitude 45.56509, Longitude -122.715015	Yes		0-1 ft.	sandy gravel

Additional Comments:

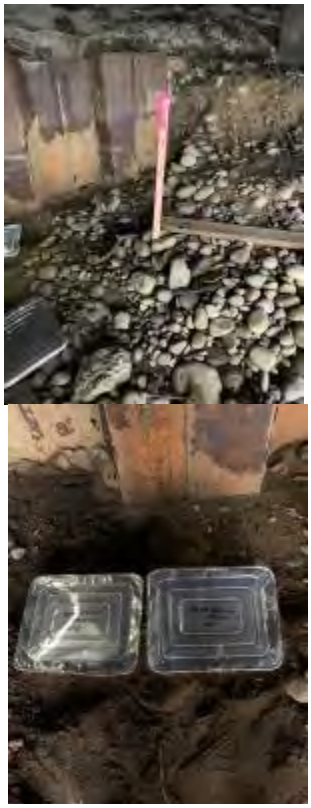
Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-039-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568616885936734,Longitude -122.71253637525766

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	32	Latitude 45.565023, Longitude -122.715074	Yes		0-1 ft.	sand

Additional Comments:
FD14 collected

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-038-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56524149903543,Longitude -122.71540702803667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	25	Latitude 45.565241499, Longitude-122.715407	Yes		0-1 ft.	silty sand and gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-038-MLW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565269976746066,Longitude -122.71530141048889

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	33	Latitude 45.565269976746066,Longitude -122.71530141048889	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-037-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565397916797956,Longitude -122.71545105389865

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	54	Latitude 45.56536, Longitude -122.715696	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-037-MLW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56561179446431,Longitude -122.71542618455446

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	49	Latitude 45.565422, Longitude -122.715634	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-036-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56564764506034,Longitude -122.71587277235544

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	00	Latitude 45.565526, Longitude -122.716002	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-036-MLW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56584525328052,Longitude -122.71622321706715

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	53	Latitude 45.565588, Longitude -122.715939	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-035-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565823770927864,Longitude -122.71625631617812

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	04	Latitude 45.565699, Longitude -122.716324	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-034-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5660029237341,Longitude -122.7165729055451

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	21	Latitude 45.565864, Longitude -122.716629	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-034-MLW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565996878518014,Longitude -122.71656860015752

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	13	Latitude 45.565928, Longitude -122.716556	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-033-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56615497850872,Longitude -122.71685685777138

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	01	Latitude 45.566029, Longitude -122.716949	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-032-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56633827597781,Longitude -122.71719979488789

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	02	Latitude 45.566194, Longitude -122.717255	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-031-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566504628415586,Longitude -122.71750027123537

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	10	Latitude 45.566374, Longitude -122.71756	Yes	 	0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-030-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566592400348355,Longitude -122.71783314750209

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	16	Latitude 45.566536, Longitude -122.717861	Yes		0-1 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-030-MLW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566676522663656,Longitude -122.71774591206366

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	22	Latitude 45.566594, Longitude -122.717798	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-029-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56684808592752,Longitude -122.71812393762642

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	20	Latitude 45.566705, Longitude -122.718169	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-028-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56699563068864,Longitude -122.71838772251733

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	27	Latitude 45.566875, Longitude -122.718477	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-027-OHW-0-1-10242022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568630131805065,Longitude -122.7179227719503

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	40	Latitude 45.567047, Longitude -122.718782	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-026-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56724131517091,Longitude -122.7188446880103

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	33	Latitude 45.567212, Longitude -122.719096	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-025-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56750712677793,Longitude -122.7193277403403

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	51	Latitude 45.567363, Longitude -122.719406	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-024-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56768431501498,Longitude -122.71964767390484

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	41	Latitude 45.567543, Longitude -122.719711	Yes		0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-023-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.567823014705596,Longitude -122.71993764871362

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	07	Latitude 45.567708, Longitude -122.720047	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-022-MLW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.568048188917935,Longitude -122.7200970807363

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	13	Latitude 45.567942, Longitude -122.720257	Yes		0-1 ft.	sand with minor gravel and fines in voids in armoring

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-022-OHW-0-1-10252022**
Weather Conditions:	Rainy
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.5678195064277,Longitude -122.71997102742371

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
13	16	Latitude 45.567872, Longitude -122.720337	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-014-MLW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56716216666667,Longitude -122.72178183333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	13	Latitude 45.567115666666666,Longitude -122.72178033333333	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-013-MLW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.567466833333334,Longitude -122.72185633333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	16	Latitude 45.567670833333333,Longitude -122.72162683333333	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-012-MLW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566492333333336,Longitude -122.72218783333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	33	Latitude 45.566481, Longitude -122.722128	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-011-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56645266666666,Longitude -122.72249166666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
10	07	Latitude 45.566495, Longitude -122.722225	Yes	 	0-1 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-011-TOB-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56650416666667,Longitude -122.72220816666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	01	Latitude 45.566504666666667,Longitude -122.72221716666667	Yes	 	0-1 ft.	silty sand. Sand blast grit observed.

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-010-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566467333333335,Longitude -122.72265083333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	50	Latitude 45.566297, Longitude -122.722684	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-010-TOB-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566471666666665,Longitude -122.72274916666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	58	Latitude 45.566504666666667,Longitude -122.72277133333333	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-009-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566563333333335,Longitude -122.72303933333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	25	Latitude 45.566570166666665,Longitude -122.72304433333333	Yes	 	0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-009-TOB-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566451666666666,Longitude -122.72304216666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	54	Latitude 45.566447666666667,Longitude -122.72303766666667	Yes		0-1 ft.	gravelly silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-008-TOB-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566541666666666,Longitude -122.72341533333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	47	Latitude 45.566542166666665,Longitude -122.72341716666666	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-008-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56666166666667,Longitude -122.72338883333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	04	Latitude 45.566661666666667,Longitude -122.72339633333333	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-008-MLW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56667983333333,Longitude -122.72338066666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
09	39	Latitude 45.566682333333333,Longitude -122.72337966666667	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-007-MLW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566772666666665,Longitude -122.72379316666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
		Latitude 45.566777333333334,Longitude -122.72380166666667	No		ft.	No sample. Too rocky

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-007-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566739166666665,Longitude -122.72378416666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	56	Latitude 45.566737833333335,Longitude -122.723783833333333	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-007-TOB-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56661833333333,Longitude -122.72380066666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	37	Latitude 45.566621333333333,Longitude -122.72379066666667	Yes		0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-006-MLW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56676983333333,Longitude -122.72420083333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
			No		ft.	No sample. Too rocky.

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-006-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566735666666666,Longitude -122.72410616666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	43	Latitude 45.566744166666666,Longitude -122.724109666666666	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-006-TOB-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56665183333333,Longitude -122.72408333333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	33	Latitude 45.566646833333333,Longitude -122.72407316666667	Yes	 	0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-005-MLW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566582833333335,Longitude -122.72459766666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	29	Latitude 45.566599833333335,Longitude -122.72455066666667	Yes		0-1 ft.	sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-005-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56655583333333,Longitude -122.72427266666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	28	Latitude 45.566558166666667,Longitude -122.72427033333334	Yes	 	0-1 ft.	silty sand
08	33	Latitude 45.566542333333333,Longitude -122.72431566666667	Yes		1-2 ft.	silty sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-005-TOB-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566514166666664,Longitude -122.72412033333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
08	26	Latitude 45.566516666666665,Longitude -122.72411483333333	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:
FD08 collected

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-004-MLW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56629016666667,Longitude -122.72453466666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	48	Latitude 45.566287333333335,Longitude -122.72451666666667	Yes		0-1 ft.	sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-004-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.566232666666664,Longitude -122.72432483333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	41	Latitude 45.566273666666667,Longitude -122.72432616666667	Yes		0-1 ft.	silty sandy gravel

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-004-TOB-0-1-10172022**
Weather Conditions:	Overcast
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56627016666667,Longitude -122.72418516666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	41	Latitude 45.566268666666666,Longitude -122.72420016666666	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-003-MLW-0-1-10172022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56598283333334,Longitude -122.72443833333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
			No		ft.	No sample, too rocky.

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-003-OHW-0-1-10172022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565969333333335,Longitude -122.72433866666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	59	Latitude 45.565972333333335,Longitude -122.72434316666667	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-003-TOB-0-1-10172022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56602783333334,Longitude -122.72422233333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	46	Latitude 45.566017333333335,Longitude -122.724222333333333	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-002-TOB-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56567666666667,Longitude -122.72440733333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	50	Latitude 45.565675333333333,Longitude -122.72440633333333	Yes		0-1 ft.	gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-002-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565727833333334,Longitude -122.72445233333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	07	Latitude 45.565713333333335,Longitude -122.72445183333333	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-001-OHW-0-1-10172022**
Weather Conditions:	OVERCAST
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56556033333333,Longitude -122.72488216666666

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	13	Latitude 45.565492333333333,Longitude -122.72480183333333	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-001-TOB-0-1-10172022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.565446333333334,Longitude -122.72459083333334

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
11	57	Latitude 45.565461833333333,Longitude -122.72459133333334	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-000-OHW-0-1-10172022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56527583333333,Longitude -122.72484683333333

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	09	Latitude 45.565249, Longitude -122.724628	Yes		0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

Riverbank Grab Sample Log

Swan Island Basin Riverbank Characterization

Location ID:	**SIB-000-TOB-0-1-10172022**
Weather Conditions:	SUNNY
Sampling Crew:	A. St. John, J. Pounds (BWG), J. Moore (Orbislogic), A. Tijerina Esquino, H. Wang (Mott MacDonald)

Proposed Coordinates:	Lat/Long: Latitude 45.56544683333333,Longitude -122.72525666666667

Time (Hour)	Time (Min)	North/Lat Coordinates	Accepted (Y/N)	Photo	Recovery Depth (feet)	Comments
12	01	Latitude 45.565426333333335,Longitude -122.725150333333333	Yes	 	0-1 ft.	silty gravelly sand

Additional Comments:

Coordinates noted on Grab Sample Log forms are for reference only. Refer to Table B.1 Riverbank Sample Collection Summary in Attachment B for approximate sample location coordinates.

ATTACHMENT C
LABORATORY ANALYTICAL RESULTS

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ATTACHMENT C.1
LABORATORY ANALYTICAL RESULTS SUMMARY

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Attachment C.1
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-000-OHW	SIB-000-TOB	SIB-001-OHW	SIB-001-TOB	SIB-002-OHW	SIB-002-TOB	SIB-003-OHW	SIB-003-TOB
					Sample ID	SIB-000-OHW-0-1-10172022	SIB-000-TOB-0-1-10172022	SIB-001-OHW-0-1-10172022	SIB-001-TOB-0-1-10172022	SIB-002-OHW-0-1-10172022	SIB-002-TOB-0-1-10172022	SIB-003-OHW-0-1-10172022	SIB-003-TOB-0-1-10172022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		8.2	**3100**	**12000**	**4600**	92	1900	280	1400
2,4'-DDD	µg/kg	NE	NE	NE		0.3 U	0.28 U	0.25 U	0.32 U	0.24 U	0.24 U	0.32 U	0.29 U
P,P'-DDD	µg/kg	NE	NE	NE		0.17 UJ	0.16 UJ	0.14 UJ	0.18 U	0.13 UJ	0.32 J	0.18 UJ	0.16 UJ
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.3 U	0.28 U	0.25 U	0.32 U	0.24 U	0.44	0.32 U	0.29 U
O,P'-DDE	µg/kg	NE	NE	NE		0.37 UJ	0.35 UJ	0.32 UJ	0.41 UJ	0.3 UJ	0.3 U	0.41 UJ	0.36 UJ
P,P'-DDE	µg/kg	NE	NE	NE		0.33 U	0.31 U	0.52	0.36 U	0.26 U	0.26 U	0.36 U	0.32 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.37 U	0.35 U	0.68	0.41 U	0.3 U	0.3 U	0.41 U	0.36 U
O,P'-DDT	µg/kg	NE	NE	NE		0.44 UJ	0.42 UJ	0.51 J	0.48 UJ	0.35 UJ	0.35 U	0.48 UJ	0.42 UJ
P,P'-DDT	µg/kg	NE	NE	NE		0.91	1.2	2.8	0.24 U	1.6	1.9	1.4	0.76
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		1.1	1.4	3.3	0.48 U	1.8	2.1	1.6	0.97
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		1.7	2	4.2	0.48 U	2.2	2.8	2.3	1.5
ALDRIN	µg/kg	2	NE	NE		0.37 U	0.35 U	0.32 U	0.41 U	0.3 U	0.3 U	0.41 U	0.36 U
DIELDRIN	µg/kg	0.07	NE	NE		0.36 U	0.34 U	0.31 U	0.4 U	0.29 U	0.29 U	0.4 U	0.35 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.15 U	0.14 U	0.13 U	0.16 U	0.12 U	0.12 U	0.16 U	0.14 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.29 U	0.28 U	0.25 U	0.32 U	0.23 U	0.23 U	0.32 U	0.28 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.3 U	0.29 U	0.26 U	0.33 U	0.24 U	0.24 U	0.33 U	0.29 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.46 U	0.43 U	0.39 U	0.5 U	0.36 U	0.36 U	0.5 U	0.44 U
Oxychlordane	µg/kg	NE	NE	NE		0.61 U	0.58 U	0.52 U	0.66 U	0.48 U	0.49 U	0.66 U	0.58 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.27 U	0.26 U	0.23 U	0.3 U	0.22 U	0.22 U	0.3 U	0.26 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.61 U	0.58 U	0.52 U	0.66 U	0.48 U	0.49 U	0.66 U	0.58 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		8.66	12.2	18.3	10.7	15.7	9.82	28.3	23.4
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		33.2	80.7	121	66.8	49.8	62.4	248	149
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.6 U	1.66 U	1.73 U	1.36 J	1.19 J	2.59 U	3.26 J	2.28 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**1.58 J**	**1.93 J**	**3.33 J**	**1.73 J**	**1.68 J**	**2.27 J**	**2.76 J**	**2.32 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.829 U	1.22 U	1.43 U	0.859 U	0.39 J	0.97 U	0.833 J	0.523 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.654 J	0.922 U	1.16 J	0.899 J	0.565 J	0.667 J	1 J	0.989 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.09 J	2.36 J	3.25 J	1.69 J	1.35 J	1.44 J	4.38 J	2.83 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1 U	1.55 U	1.38 U	1 U	0.53 U	1.15 U	0.649 J	0.432 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.758 J	1.71 J	2.06 J	0.903 J	0.667 J	0.878 U	2.11 J	1.25 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.15 J	3.16 J	6.74	3.33 J	3.8 J	4.19 J	6.38	2.17 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.469 U	**2.35 J**	**0.838 J**	**0.465 J**	**0.43 J**	0.407 U	**0.866 J**	**0.537 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.75 J	1.12 J	1.61 J	0.999 J	0.76 J	0.736 J	1.17 J	1.58 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.758 U	1.22 U	**1.54 J**	0.588 U	0.364 U	0.625 U	**1.32 J**	**1.24 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.664 U	**1.24 J**	**2.58 J**	**1.28 J**	**0.95 J**	**1.11**	**2.14**	**0.893 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.396 U	0.419 U	0.412 U	0.261 U	0.257 U	0.361 U	0.291 U	0.274 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		86.1	167	252	136	93.5	129	441	274
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		13.5	21	26.2	14.6	18.1	17.6	34.8	35.5
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		11.6	24.1	31.2	14.3	12.7	13	31.2	24.5
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		35.6	39.5	61.3	25.8	39.2	31.3	176	74.4
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		455	943	1110	693	483	779	2730	1620
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		16.6	36.3	40.3	18.4	17.2	29.4	43.6	28.5
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.895	4.27	5.83	2.75	2.44	1.19	4.13	2.08
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		4.39	12.1	37	12.1	4.85	9.89	42.5	12.4
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.517	0.616	1.31	0.355	0.34	0.361 U	0.631	0.438

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-000-OHW	SIB-000-TOB	SIB-001-OHW	SIB-001-TOB	SIB-002-OHW	SIB-002-TOB	SIB-003-OHW	SIB-003-TOB
					Sample ID	SIB-000-OHW-0-1-10172022	SIB-000-TOB-0-1-10172022	SIB-001-OHW-0-1-10172022	SIB-001-TOB-0-1-10172022	SIB-002-OHW-0-1-10172022	SIB-002-TOB-0-1-10172022	SIB-003-OHW-0-1-10172022	SIB-003-TOB-0-1-10172022
TOTAL HpCDFs	pg/g	NE	NE	NE		29.3	40.9	60	30.8	54.3	35.8	145	92.6
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		1.8 J	5.1 J	5 J	2.6 J	2.2 J	2.4 J	6.8 J	4.4 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-000-OHW	SIB-000-TOB	SIB-001-OHW	SIB-001-TOB	SIB-002-OHW	SIB-002-TOB	SIB-003-OHW	SIB-003-TOB
					Sample ID	SIB-000-OHW-0-1-10172022	SIB-000-TOB-0-1-10172022	SIB-001-OHW-0-1-10172022	SIB-001-TOB-0-1-10172022	SIB-002-OHW-0-1-10172022	SIB-002-TOB-0-1-10172022	SIB-003-OHW-0-1-10172022	SIB-003-TOB-0-1-10172022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-000-OHW	SIB-000-TOB	SIB-001-OHW	SIB-001-TOB	SIB-002-OHW	SIB-002-TOB	SIB-003-OHW	SIB-003-TOB
					Sample ID	SIB-000-OHW-0-1-10172022	SIB-000-TOB-0-1-10172022	SIB-001-OHW-0-1-10172022	SIB-001-TOB-0-1-10172022	SIB-002-OHW-0-1-10172022	SIB-002-TOB-0-1-10172022	SIB-003-OHW-0-1-10172022	SIB-003-TOB-0-1-10172022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-000-OHW	SIB-000-TOB	SIB-001-OHW	SIB-001-TOB	SIB-002-OHW	SIB-002-TOB	SIB-003-OHW	SIB-003-TOB
					Sample ID	SIB-000-OHW-0-1-10172022	SIB-000-TOB-0-1-10172022	SIB-001-OHW-0-1-10172022	SIB-001-TOB-0-1-10172022	SIB-002-OHW-0-1-10172022	SIB-002-TOB-0-1-10172022	SIB-003-OHW-0-1-10172022	SIB-003-TOB-0-1-10172022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	NA	NA	NA	161000 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		4.2 U	4.1 U	180	4 U	4 U	4.1 U	4.1 U	4 U
ARSENIC	mg/kg	3	NE	NE		**46.1 J**	**227 J**	**49.5 J**	**9.69 J**	**3.9 J**	**6.89 J**	**3.18 J**	**6.29 J**
CADMIUM	mg/kg	0.51	NE	NE		0.12	0.23	**0.58**	0.27	0.09 J	0.19	0.15	0.2
COPPER	mg/kg	359	NE	NE		119	**652**	**1180**	**536**	152	267	118	**495**
LEAD	mg/kg	196	NE	NE		35 J	54.3 J	92.9 J	39.1 J	27.4 J	24.6 J	90.4 J	31.1 J
ZINC	mg/kg	459	NE	NE		137	402	**1070**	**463**	119	271	128	382
MERCURY	mg/kg	0.085	NE	NE		0.082	**0.122**	**0.166**	0.0243	0.0771	0.0482	**0.24**	**0.106**
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-000-OHW	SIB-000-TOB	SIB-001-OHW	SIB-001-TOB	SIB-002-OHW	SIB-002-TOB	SIB-003-OHW	SIB-003-TOB
					Sample ID	SIB-000-OHW-0-1-10172022	SIB-000-TOB-0-1-10172022	SIB-001-OHW-0-1-10172022	SIB-001-TOB-0-1-10172022	SIB-002-OHW-0-1-10172022	SIB-002-TOB-0-1-10172022	SIB-003-OHW-0-1-10172022	SIB-003-TOB-0-1-10172022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		16.8 J	19.6 J	50.3	30	19.4 J	12 J	82.6	16.8 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		34.3	29.8	117	66.9	39.2 J	35.3	193	41
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		27.8	24.5	120	30.5	30.7	80	97.7	33.4
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**97.4**	**92.4**	**306**	**146**	**108**	**146**	**392**	**110**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		90 J	**880**	**3000**	**1900 J**	**200**	**950 J**	73 J	**1300 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	0.39 U	0.39 U	0.37 U	0.38 U	0.39 U	0.38 U	0.37 U
ACENAPHTHENE	µg/kg	NE	NE	NE		2 J	7	15	7.7	2.4 J	5 J	2.1 J	4.1 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		2.1 J	3.6 J	8.4	3.5 J	1.8 J	2.4 J	3.6 J	2.6 J
ANTHRACENE	µg/kg	NE	NE	NE		3 J	9.4	25	10	3.7 J	8.4	9.9	7
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		16	49	290	77	21	45	110	40
BENZO(A)PYRENE	µg/kg	NE	NE	NE		29	80	360	120	38	71	120	65
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		33	110	520	180	51	82	180	76
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		21	56	210	86	31	41	97	54
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		12	42	190	66	18	31	72	30
CHRYSENE	µg/kg	NE	NE	NE		21	71	380	110	29	52	120	52
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		3.1 J	11	55	20	6.5	9.9	26	14
FLUORANTHENE	µg/kg	NE	NE	NE		30	110	600	210	48	82	170	73
FLUORENE	µg/kg	NE	NE	NE		1.4 J	4.5 J	12	6.6	2.2 J	3.9 J	1.9 J	3.7 J
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		25	73	280	110	37	53	130	66
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.49 U	0.49 U	0.5 U	0.47 U	0.49 U	0.49 U	0.49 U	0.47 U
PHENANTHRENE	µg/kg	NE	NE	NE		12	54	200	110	23	38	42	33
PYRENE	µg/kg	NE	NE	NE		33	99	540	180	45	80	150	71
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		244	780	3690	1300	358	605	1230	592
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		39.6 J	115	526	177	55.6	99.3	189	97.6
SOLIDS, PERCENT	%	NE	NE	NE		93.1	95.8	94.1	96.8	96.9	95.2	95.5	95.9
TOTAL ORGANIC CARBON	%	NE	NE	NE		0.24	0.25	1.88	0.31	0.3	1.12	0.38	0.32

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-004-MLW	SIB-004-OHW	SIB-004-TOB	SIB-005-MLW	SIB-005-OHW	SIB-005-OHW	SIB-005-TOB	SIB-006-OHW
					Sample ID	SIB-004-MLW-0-1-10172022	SIB-004-OHW-0-1-10172022	SIB-004-TOB-0-1-10172022	SIB-005-MLW-0-1-10172022	SIB-005-OHW-0-1-10172022	SIB-005-OHW-1-2-10172022	SIB-005-TOB-0-1-10172022	SIB-006-OHW-0-1-10172022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		1.1 J	130	2000	21	280	NA	237.05 J	85
2,4'-DDD	µg/kg	NE	NE	NE		0.33 U	0.3 U	0.3 U	0.36 U	0.3 U	NA	0.28 U	0.34 U
P,P'-DDD	µg/kg	NE	NE	NE		0.18 U	0.17 UJ	1.1 J	0.2 UJ	0.17 UJ	NA	1.2 J	0.19 UJ
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.33 U	0.3 U	1.3	0.36 U	0.3 U	NA	1.3	0.34 U
O,P'-DDE	µg/kg	NE	NE	NE		0.41 U	0.38 UJ	0.37 UJ	0.45 UJ	0.37 UJ	NA	0.35 UJ	0.42 UJ
P,P'-DDE	µg/kg	NE	NE	NE		0.36 U	0.33 U	0.4 J	0.4 U	0.33 U	NA	0.95	0.37 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.41 U	0.38 U	0.59	0.45 U	0.37 U	NA	1.1	0.42 U
O,P'-DDT	µg/kg	NE	NE	NE		0.49 UJ	0.45 UJ	0.5 J	0.53 UJ	0.44 UJ	NA	0.67 J	0.5 UJ
P,P'-DDT	µg/kg	NE	NE	NE		0.25 UJ	1.4	5.7	0.27 U	2	NA	10 J	0.92
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.49 U	1.6	6.2	0.53 U	2.2	NA	10.7	1.2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.49 U	2.2	**8**	0.53 U	2.8	NA	**13.1**	1.8
ALDRIN	µg/kg	2	NE	NE		0.41 U	0.38 U	0.37 U	0.45 U	0.37 U	NA	0.35 U	0.42 U
DIELDRIN	µg/kg	0.07	NE	NE		0.4 U	0.37 U	0.36 U	0.44 U	0.36 U	NA	0.34 U	0.41 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 U	0.15 U	0.15 U	0.18 U	0.15 U	NA	0.14 U	0.17 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.32 U	0.3 U	0.29 U	0.35 U	0.29 U	NA	0.28 U	0.33 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.33 U	0.31 U	0.3 U	0.36 U	0.3 U	NA	0.29 U	0.34 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.5 U	0.46 U	0.46 U	0.55 U	0.45 U	NA	0.43 U	0.52 U
Oxychlordane	µg/kg	NE	NE	NE		0.67 U	0.61 U	0.61 U	0.73 U	0.6 U	NA	0.58 U	0.69 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.3 U	0.28 U	0.28 U	0.33 U	0.27 U	NA	0.26 U	0.31 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.67 U	0.61 U	0.61 U	0.73 U	0.6 U	NA	0.58 U	0.69 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.97 J	5.88	15.4	0.189 U	8.75	5.79	9.82 J	11.7
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		20.8	38.4	99.1	4.75 J	55.8	28.3	69 J	81.8
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.877 U	1.02 J	1.56 J	0.269 U	0.984 J	0.751 J	1.59 J	1.1 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		0.545 U	**1.71 J**	**4.38 J**	0.116 U	**2.64 J**	0.191 U	**10.8 J**	**3.99 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.12 U	0.907 J	0.762 J	0.237 U	0.47 U	0.334 U	0.647 J	0.727 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.574 U	0.705 J	0.686 J	0.122 U	0.472 J	0.189 UJ	0.78 J	0.53 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.16 U	1.66 J	2.54 J	0.247 U	1.44 J	0.987 J	2.6 J	2.7 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.885 U	0.599 J	0.436 J	0.17 U	0.311 U	0.272 U	0.521 J	0.33 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.15 U	1.26 J	1.43 J	0.237 U	1.11 J	0.33 U	1.2 J	1.51 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.676 U	4.25 J	15.8	0.13 U	4.83 J	4.25 J	43.9 J	14.4
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.465 U	**0.965 J**	**0.688 J**	0.164 U	**0.482 J**	**0.543 J**	**0.939 J**	**0.532 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.561 U	0.801 J	1.05 J	0.125 U	0.796 J	0.212 UJ	1.26 J	0.681 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.654 U	0.334 UJ	0.57 UJ	0.128 U	0.44 U	0.405 U	**1.21 J**	0.492 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.797 U	**0.739 J**	**1.43**	0.273 U	**0.806 J**	**0.769 J**	**1.69**	**0.669 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.473 U	0.256 U	0.22 U	0.221 U	0.311 U	0.252 U	0.269 U	0.254 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		66.5	69.7	189	10.1	113	62.3	119.8	141
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.1 J	11.1	28.1	1.28	17.2	12.3 J	42.6 J	20.1
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6.15 J	11.8	22.9	1.78	22.8	19.1 J	11.43 J	16.6
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		7.1 J	18.2	47.4	2.17 J	46	24.9	32.8 J	47.9
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		140	333	989	39.4	485	227	713 J	761
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		0.906 J	18.1	63.6	1.05	26.7	15.8 J	84.9075 J	46.6
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.596 J	2.13	4.82	0.281	4.08	3.24 J	4.06 J	4.3
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		0.797 U	2.92	29.9	0.273 U	6.39	4.99 J	61.2 J	7.22
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.473 U	0.256 U	0.344	0.221 U	0.44	0.252 U	0.404 J	0.3

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-004-MLW	SIB-004-OHW	SIB-004-TOB	SIB-005-MLW	SIB-005-OHW	SIB-005-OHW	SIB-005-TOB	SIB-006-OHW
					Sample ID	SIB-004-MLW-0-1-10172022	SIB-004-OHW-0-1-10172022	SIB-004-TOB-0-1-10172022	SIB-005-MLW-0-1-10172022	SIB-005-OHW-0-1-10172022	SIB-005-OHW-1-2-10172022	SIB-005-TOB-0-1-10172022	SIB-006-OHW-0-1-10172022
TOTAL HpCDFs	pg/g	NE	NE	NE		0.606 U	19.9	54.6	2.73	38.1	22.8 J	36.95 J	49
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		1.2 J	2.7 J	4.1 J	0.35 J	2.4 J	1.5 J	5.7	3.5 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-004-MLW	SIB-004-OHW	SIB-004-TOB	SIB-005-MLW	SIB-005-OHW	SIB-005-OHW	SIB-005-TOB	SIB-006-OHW
					Sample ID	SIB-004-MLW-0-1-10172022	SIB-004-OHW-0-1-10172022	SIB-004-TOB-0-1-10172022	SIB-005-MLW-0-1-10172022	SIB-005-OHW-0-1-10172022	SIB-005-OHW-1-2-10172022	SIB-005-TOB-0-1-10172022	SIB-006-OHW-0-1-10172022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-004-MLW	SIB-004-OHW	SIB-004-TOB	SIB-005-MLW	SIB-005-OHW	SIB-005-OHW	SIB-005-TOB	SIB-006-OHW
					Sample ID	SIB-004-MLW-0-1-10172022	SIB-004-OHW-0-1-10172022	SIB-004-TOB-0-1-10172022	SIB-005-MLW-0-1-10172022	SIB-005-OHW-0-1-10172022	SIB-005-OHW-1-2-10172022	SIB-005-TOB-0-1-10172022	SIB-006-OHW-0-1-10172022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-004-MLW	SIB-004-OHW	SIB-004-TOB	SIB-005-MLW	SIB-005-OHW	SIB-005-OHW	SIB-005-TOB	SIB-006-OHW
				Sample ID	SIB-004-MLW-0-1-10172022	SIB-004-OHW-0-1-10172022	SIB-004-TOB-0-1-10172022	SIB-005-MLW-0-1-10172022	SIB-005-OHW-0-1-10172022	SIB-005-OHW-1-2-10172022	SIB-005-TOB-0-1-10172022	SIB-006-OHW-0-1-10172022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	NA	131000 J	NA	NA	NA	279000 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	2.2 U	2 U	1.9 U	2.6 U	1.9 U	NA	1.9 U	2 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	110 J	4.3 U	4 U	5.5 U	4.1 U	NA	4.2 U	4.3 U
ARSENIC	mg/kg	3	NE	NE	2.3	2.94 J	**5.16 J**	**4.62**	**4.44 J**	**4.62 J**	**4.56 J**	2.66
CADMIUM	mg/kg	0.51	NE	NE	0.11 J	0.12	0.15	0.08 J	0.1 J	0.06 J	0.1 J	0.1 J
COPPER	mg/kg	359	NE	NE	59.8	105	240	28.2	62.2	37.2	94.1	112
LEAD	mg/kg	196	NE	NE	15.1	24.7 J	31.1 J	30.5	27.8 J	78.4 J	45.4 J	20.1
ZINC	mg/kg	459	NE	NE	126	117	232	98.9	88	84	130.1	116
MERCURY	mg/kg	0.085	NE	NE	0.00652 J	0.0539	0.0525	**0.347**	**0.273**	**0.249 J**	**0.27475**	0.0442
Aroclor 1262	µg/kg	NE	NE	NE	0.6 U	0.6 U	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-004-MLW	SIB-004-OHW	SIB-004-TOB	SIB-005-MLW	SIB-005-OHW	SIB-005-OHW	SIB-005-TOB	SIB-006-OHW
					Sample ID	SIB-004-MLW-0-1-10172022	SIB-004-OHW-0-1-10172022	SIB-004-TOB-0-1-10172022	SIB-005-MLW-0-1-10172022	SIB-005-OHW-0-1-10172022	SIB-005-OHW-1-2-10172022	SIB-005-TOB-0-1-10172022	SIB-006-OHW-0-1-10172022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		4.1	1.6 U	28.2	1.6 U	7.8 U	1.6 U	23	20.9
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		4.4	6.1	75.8	1.6 U	36.4	10.3 J	57.5	32.8
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		2.2 J	20.5	152	0.6 U	45.5	15 J	108.15 J	76
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**14.5**	**31.2**	**275**	1.6 U	**104**	**29.9**	**192**	**148**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		11 UJ	**550 J**	**3400**	13 U	9.3 U	NA	**280**	**930 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.42 U	0.41 U	0.37 U	0.51 U	0.38 U	NA	0.4 U	0.41 U
ACENAPHTHENE	µg/kg	NE	NE	NE		0.71 J	1.8 J	4.1 J	0.45 J	1.8 J	NA	1.34 J	28
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.32 U	1.4 J	6.8	0.49 J	1.8 J	NA	7.345 J	3.1 J
ANTHRACENE	µg/kg	NE	NE	NE		0.73 J	1.9 J	8.6	0.96 J	4.1 J	NA	4.4 J	68
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		0.27 U	11	51	5.5 J	23	NA	50 J	150
BENZO(A)PYRENE	µg/kg	NE	NE	NE		5.1 J	20	100	8	31	NA	57.45 J	88
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		5.4 J	22	120	6.9 J	34	NA	61.65 J	120
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		3.1 J	13	94	3.6 J	20	NA	55.9 J	33
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		2.2 J	7.8	43	3.5 J	13	NA	19.995 J	48
CHRYSENE	µg/kg	NE	NE	NE		3.7 J	15	74	5.4 J	26	NA	36.85 J	130
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		0.42 J	2.2 J	15	1 J	3.8 J	NA	15 J	10
FLUORANTHENE	µg/kg	NE	NE	NE		5.9	22	120	9.3	36	NA	56.4 J	520
FLUORENE	µg/kg	NE	NE	NE		0.65 U	1.8 J	4.3 J	0.79 U	1.3 J	NA	1.645 J	12
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		3.2 J	15	110	4.8 J	24	NA	60.95 J	50
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.54 U	0.51 U	0.47 U	0.65 U	0.48 U	NA	0.51 U	0.51 U
PHENANTHRENE	µg/kg	NE	NE	NE		0.67 U	12	60	5.1 J	17	NA	18.9 J	310
PYRENE	µg/kg	NE	NE	NE		4.9 J	21	130	10	45	NA	83.9 J	400
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		36.8	168	941	66	282	NA	532	1970
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		6.4 J	27.1 J	144	10.8 J	43.1 J	NA	89.9	131
SOLIDS, PERCENT	%	NE	NE	NE		85.2	91.4	97.3	70.1	95.1	NA	82.15	89.6
TOTAL ORGANIC CARBON	%	NE	NE	NE		0.32	0.4	1.7	0.19	0.34	NA	0.4 J	0.93

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-006-TOB	SIB-007-OHW	SIB-007-TOB	SIB-008-MLW	SIB-008-OHW	SIB-008-TOB	SIB-009-OHW	SIB-009-TOB
					Sample ID	SIB-006-TOB-0-1-10172022	SIB-007-OHW-0-1-10172022	SIB-007-TOB-0-1-10172022	SIB-008-MLW-0-1-10172022	SIB-008-OHW-0-1-10172022	SIB-008-TOB-0-1-10172022	SIB-009-OHW-0-1-10172022	SIB-009-TOB-0-1-10172022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		2900	170 J	1100 J	56 J	570 J	660 J	190 J	320 J
2,4'-DDD	µg/kg	NE	NE	NE		0.33 U	0.35 U	0.4 J	0.35 U	0.37 U	1.5 J	0.33 U	2.9 J
P,P'-DDD	µg/kg	NE	NE	NE		0.19 UJ	0.2 U	1 J	0.2 U	0.21 U	7.3 J	0.19 U	13 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.33 U	0.35 U	1.4	0.35 U	0.37 U	8.8	0.33 U	15.9
O,P'-DDE	µg/kg	NE	NE	NE		0.41 UJ	0.44 U	0.46 U	0.43 U	0.46 U	0.42 U	0.41 U	0.45 U
P,P'-DDE	µg/kg	NE	NE	NE		0.37 U	0.39 U	1.3 J	0.39 U	0.41 U	6 J	0.37 U	9.6 J
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.41 U	0.44 U	1.5	0.43 U	0.46 U	6.2	0.41 U	9.8
O,P'-DDT	µg/kg	NE	NE	NE		0.49 UJ	0.53 UJ	2.1 J	0.52 UJ	0.55 UJ	5.1 J	0.49 UJ	14 J
P,P'-DDT	µg/kg	NE	NE	NE		1.5	0.61 J	8.6 J	0.37 J	0.48 J	50 J	0.67 J	92 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		1.7	0.88	10.7	0.63	0.76	55.1	0.92	106
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		2.4	1.6	**13.6**	1.3	1.5	**70.1**	1.6	**132**
ALDRIN	µg/kg	2	NE	NE		0.41 U	0.44 U	0.46 U	0.43 U	0.46 U	0.42 U	0.41 U	0.45 U
DIELDRIN	µg/kg	0.07	NE	NE		0.4 U	0.43 U	0.45 U	0.42 U	0.45 U	0.41 U	0.4 U	0.43 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 U	0.18 U	0.18 U	0.17 U	0.18 U	0.17 U	0.16 U	0.18 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.32 U	0.35 U	0.36 U	0.34 U	0.36 U	0.96 J	0.32 U	0.35 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.33 U	0.36 U	0.37 U	0.35 U	0.37 U	1.4 J	0.33 U	0.36 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.5 U	0.54 U	0.56 U	0.53 U	0.57 U	0.52 U	0.5 U	0.55 U
Oxychlordane	µg/kg	NE	NE	NE		0.67 U	0.72 U	0.75 U	0.71 U	0.76 U	0.69 U	0.68 U	0.73 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.3 U	0.33 U	0.34 U	0.32 U	0.34 U	0.63 J	0.3 U	0.33 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.67 U	0.72 U	0.75 U	0.71 U	0.76 U	**3.6**	0.68 U	0.73 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		28.6	4.77 J	13.6	10.2	13.1	61.1	7.43	38.2
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		248	26.6	78.9	41.8	64.3	404	31.7 J	223
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.83 J	0.492 J	1.99 J	1.33 J	1.49 J	4.78 J	1.05 U	3.32 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**6.62**	**1.95 J**	**28.1**	**1.12 J**	**2.51 J**	**14.2**	**1.01 J**	**15.6**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.36 J	0.447 J	0.885 J	0.935 U	1.13 J	1.55 J	1.48 U	1.5 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.23 J	0.324 J	0.959 J	0.628 U	0.725 J	2.54 J	0.525 U	1.69 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6.37	1.12 J	2.81 J	1.64 J	3.29 J	10.6	1.48 U	6.14
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.552 J	0.349 U	0.458 J	0.856 U	0.587 U	2.6 J	0.731 U	1.51 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.27 J	0.732 J	1.48 J	0.927 J	2.5 J	3.16 J	1.48 U	2.95 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		22.9	6.09	122	1.38 J	7.81	33.9	3.2 J	56.4
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.46 J**	**0.415 J**	**1.17 J**	0.62 U	**0.881 J**	**1.3 J**	0.845 U	**1.28 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.57 J	0.373 J	1.03 J	0.678 U	1.07 J	3.4 J	0.553 U	2.64 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.737 U	0.349 U	0.4 U	0.684 U	0.783 U	**3.35 J**	0.973 U	**2.08 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.74**	**0.453 J**	**3.35**	0.862 U	0.975 U	**1.78**	0.911 U	**1.91 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.261 U	0.234 U	0.282 U	0.491 U	0.366 U	**0.296 J**	0.254 U	0.421 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		440	47.8	147	71.3	129	631	56	384
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		42	8.91	59.4	11.5 J	21.4 J	91.2 J	9.7 J	86.1 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		41.5	9.54	21.9	9.06 J	24.7 J	48.9 J	7.68 J	33.1 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		150	13.2	41.2	26.4	27.4	97.1	16.6	85.3
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2550	209	674	332	416	3570	223	2080
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		71.7	17.9	296	5.45 J	26.9 J	112 J	7.21 J	205 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		13.1	2.69	8.32	0.62 U	4.35 J	9.53 J	0.943 J	4.54 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		46.3	3.79	57	0.862 U	4.92	41.8	1.04	92.1
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.85	0.294	0.899	36.7	0.366 U	3.28 J	0.254 U	0.595 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-006-TOB	SIB-007-OHW	SIB-007-TOB	SIB-008-MLW	SIB-008-OHW	SIB-008-TOB	SIB-009-OHW	SIB-009-TOB
					Sample ID	SIB-006-TOB-0-1-10172022	SIB-007-OHW-0-1-10172022	SIB-007-TOB-0-1-10172022	SIB-008-MLW-0-1-10172022	SIB-008-OHW-0-1-10172022	SIB-008-TOB-0-1-10172022	SIB-009-OHW-0-1-10172022	SIB-009-TOB-0-1-10172022
TOTAL HpCDFs	pg/g	NE	NE	NE		121	15.3	47.9	36.9 J	42 J	192 J	21.1	141 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		8.3 J	1.7 J	**10.1 J**	1.9 J	3.5 J	**13.4 J**	1.7 J	**10.4 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-006-TOB	SIB-007-OHW	SIB-007-TOB	SIB-008-MLW	SIB-008-OHW	SIB-008-TOB	SIB-009-OHW	SIB-009-TOB
					Sample ID	SIB-006-TOB-0-1-10172022	SIB-007-OHW-0-1-10172022	SIB-007-TOB-0-1-10172022	SIB-008-MLW-0-1-10172022	SIB-008-OHW-0-1-10172022	SIB-008-TOB-0-1-10172022	SIB-009-OHW-0-1-10172022	SIB-009-TOB-0-1-10172022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-006-TOB	SIB-007-OHW	SIB-007-TOB	SIB-008-MLW	SIB-008-OHW	SIB-008-TOB	SIB-009-OHW	SIB-009-TOB
					Sample ID	SIB-006-TOB-0-1-10172022	SIB-007-OHW-0-1-10172022	SIB-007-TOB-0-1-10172022	SIB-008-MLW-0-1-10172022	SIB-008-OHW-0-1-10172022	SIB-008-TOB-0-1-10172022	SIB-009-OHW-0-1-10172022	SIB-009-TOB-0-1-10172022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-006-TOB	SIB-007-OHW	SIB-007-TOB	SIB-008-MLW	SIB-008-OHW	SIB-008-TOB	SIB-009-OHW	SIB-009-TOB
				Sample ID	SIB-006-TOB-0-1-10172022	SIB-007-OHW-0-1-10172022	SIB-007-TOB-0-1-10172022	SIB-008-MLW-0-1-10172022	SIB-008-OHW-0-1-10172022	SIB-008-TOB-0-1-10172022	SIB-009-OHW-0-1-10172022	SIB-009-TOB-0-1-10172022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	NA	440000 J	NA	NA	NA	102000 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	2.3 U	2.2 U	2.4 U	2.2 U	2.2 U	2 U	2.1 U	2.1 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	4.9 U	4.7 UJ	5.2 U	4.6 UJ	4.7 U	4.2 U	4.6 UJ	4.5 UJ
ARSENIC	mg/kg	3	NE	NE	**7.44**	2.41	**3.6**	2.06	2.5	**5.63**	1.81	**6.37**
CADMIUM	mg/kg	0.51	NE	NE	0.41	0.15	0.17	0.15	0.21	0.19	0.11 J	0.22
COPPER	mg/kg	359	NE	NE	**456**	149	201	68.9	182	259	91.8	220
LEAD	mg/kg	196	NE	NE	68.8	14.7	35	8.13	22.5	65.1	10.3	49.5
ZINC	mg/kg	459	NE	NE	**683**	205	273	138	215	291	118	213
MERCURY	mg/kg	0.085	NE	NE	0.0568	0.0189 J	**0.183**	0.00962 J	0.0184 J	**0.117**	0.00503 U	**0.102**
Aroclor 1262	µg/kg	NE	NE	NE	2.9 U	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-006-TOB	SIB-007-OHW	SIB-007-TOB	SIB-008-MLW	SIB-008-OHW	SIB-008-TOB	SIB-009-OHW	SIB-009-TOB
					Sample ID	SIB-006-TOB-0-1-10172022	SIB-007-OHW-0-1-10172022	SIB-007-TOB-0-1-10172022	SIB-008-MLW-0-1-10172022	SIB-008-OHW-0-1-10172022	SIB-008-TOB-0-1-10172022	SIB-009-OHW-0-1-10172022	SIB-009-TOB-0-1-10172022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		45.3	7.8 U	40	5.1	1.6 U	7.8 U	8.2	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		118	7.8 U	68.4	7.8	10	61.7 J	9.7	7.8 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		73.9	24	301	5.6	13.6	226 J	9.3	214
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**256**	**50.3**	**428**	**22.3**	**28.2**	**310**	**31**	**240**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		**2900 J**	**360**	**740**	**800**	**550**	**710**	**250 J**	**360**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.46 U	0.44 U	0.49 U	0.43 U	0.45 U	0.39 U	0.42 U	0.41 U
ACENAPHTHENE	µg/kg	NE	NE	NE		14	2.6 J	4.5 J	1.1 J	4.6 J	6.4	1.5 J	5.1 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		9.2	0.96 J	5.7 J	1.3 J	1.6 J	13	0.72 J	12
ANTHRACENE	µg/kg	NE	NE	NE		19	3 J	11	2.2 J	5.5 J	12	1.6 J	10
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		100	19	68	9.9	37	75	9.8	65
BENZO(A)PYRENE	µg/kg	NE	NE	NE		160	34	110	16	60	140	18	110
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		240	39	130	22	74	190	20	140
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		110	20	67	11	35	100	11	94
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		86	14	51	7.3	27	66	7.4	49
CHRYSENE	µg/kg	NE	NE	NE		160	27	91	17	53	110	15	84
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		25	4.3 J	16	2.2 J	7.6	22	2.3 J	20
FLUORANTHENE	µg/kg	NE	NE	NE		270	49	150	22	97	170	27	120
FLUORENE	µg/kg	NE	NE	NE		11	2.1 J	3.8 J	1.4 J	4.1 J	5.7	1.4 J	3.9 J
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		140	25	83	14	44	130	14	110
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.58 U	0.56 U	0.62 U	0.55 U	0.56 U	0.49 U	0.54 U	0.52 U
PHENANTHRENE	µg/kg	NE	NE	NE		160	27	77	11	56	75	15	57
PYRENE	µg/kg	NE	NE	NE		240	43	150	18	83	150	23	130
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		1740	310	1020	157	590	1270	168	1010
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		234	46.8 J	155	22.9 J	83.4	202	24.8 J	162
SOLIDS, PERCENT	%	NE	NE	NE		77.4	83.2	75.7	84.6	83.7	94.2	85.7	88.5
TOTAL ORGANIC CARBON	%	NE	NE	NE		2.24	1	2.13	0.53	1.32	2.89	0.49	0.72

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-010-OHW	SIB-010-TOB	SIB-011-OHW	SIB-011-TOB	SIB-012-MLW	SIB-013-MLW	SIB-014-MLW	SIB-022-MLW
					Sample ID	SIB-010-OHW-0-1-10172022	SIB-010-TOB-0-1-10172022	SIB-011-OHW-0-1-10172022	SIB-011-TOB-0-1-10172022	SIB-012-MLW-0-1-10172022	SIB-013-MLW-0-1-10172022	SIB-014-MLW-0-1-10172022	SIB-022-MLW-0-1-10252022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		180 J	4.4 J	**3800 J**	900 J	110 J	**3300 J**	480 J	290 J
2,4'-DDD	µg/kg	NE	NE	NE		3.8 J	0.34 U	1.4 J	3.2 J	2.5 J	0.31 U	0.33 U	0.51
P,P'-DDD	µg/kg	NE	NE	NE		13 J	0.19 U	5.9 J	14 J	5.1 J	0.47 J	0.95 J	1.6
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		16.8	0.34 U	7.3	17.2	7.6	0.63	1.1	2.1
O,P'-DDE	µg/kg	NE	NE	NE		0.42 U	0.43 U	0.4 U	0.85 J	0.65 J	0.38 U	0.41 U	0.34 U
P,P'-DDE	µg/kg	NE	NE	NE		7.7 J	0.38 U	1.9 J	15 J	21 J	0.34 U	0.36 U	0.47
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		7.9	0.43 U	2.1	15.9	21.7	0.38 U	0.41 U	0.64
O,P'-DDT	µg/kg	NE	NE	NE		9.3 J	0.5 UJ	2.3 J	36 J	1.3 J	0.45 UJ	0.48 UJ	0.41 U
P,P'-DDT	µg/kg	NE	NE	NE		69 J	0.99 J	19 J	220 J	5.6 J	0.51 J	0.24 UJ	1.8
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		78.3	1.2	21.3	**256**	6.9	0.74	0.48 U	2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**103**	1.9	**30.7**	**289**	**36.2**	1.7	1.9	4.8
ALDRIN	µg/kg	2	NE	NE		0.42 U	0.43 U	0.4 U	0.4 U	0.44 U	0.38 U	0.41 U	0.34 U
DIELDRIN	µg/kg	0.07	NE	NE		0.41 U	0.41 U	0.39 U	0.39 U	0.43 U	0.37 U	0.4 U	0.33 UJ
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.17 U	0.17 U	0.16 U	0.16 U	0.18 U	0.15 U	0.16 U	0.14 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.33 U	0.33 U	0.32 U	1.1 J	0.35 U	0.3 U	0.33 J	0.27 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.34 U	0.35 U	0.48 J	1.6 J	0.36 U	0.31 U	0.4 J	0.33 J
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.51 U	0.52 U	0.5 U	0.49 U	0.54 U	0.47 U	0.5 U	0.42 U
Oxychlordane	µg/kg	NE	NE	NE		0.69 U	0.7 U	0.66 U	0.66 U	0.72 U	0.62 U	0.67 U	0.56 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.31 U	0.31 U	0.31 J	0.83 J	0.32 U	0.28 U	0.33 J	0.25 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.69 U	0.7 U	**1.5**	**4.1**	0.72 U	0.62 U	**1.6**	1.1
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		33.1	31.6	454	89.2	54	310	234	3510
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		95.4	74.6	2980	242	292 J	1400	886	8910
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.43 J	2.08 J	42.1	7.98 J	4.64 J	33.4	23.5	159
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**8.06**	**2.48 J**	**63.7**	**12.9**	**3.78 J**	**24.9**	**15**	**78.6**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.74 J	1 U	13 J	2.72 J	3.19 J	8.25	5.99	12.1 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.68 J	0.748 J	18.5 J	7.08	2.34 J	14.6	7.7	22.2 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.7 J	1.61 J	60.1	8.76	8.59	44.2	27.5	187
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.09 U	0.866 U	16.8 J	3.03 J	1.21 J	8.71 U	3.6 J	17.8 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.5 J	0.968 U	17.4 J	4.7 J	4.26 J	23.1 J	15.4	35.5
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		27.8	0.724 U	5.67 J	17	0.847 U	7.48 J	3.56 J	5.19 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.3 J**	0.5 U	**3.23 J**	**3.81 J**	**1.87 J**	**7.3 J**	**3.42 J**	**5.23 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.23 J	1.19 J	27.2	11.3	3.47 J	19.6	11.8	34.2
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**2.78 J**	**1.31 J**	**20.2 J**	**9.1**	**2.75 J**	**7.6 J**	**4.32 J**	**10.6 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.23 J**	0.966 U	**6.31 J**	**5.41**	**2.5 J**	**3.3**	**1.97**	3.32 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.491 U	0.398 U	**0.791 J**	0.489 U	0.4 U	**0.737 J**	0.854 U	1.81 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		179	139	5860	433	526	2200	1450	14600
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.707 U	40.4 J	757 J	0.827 U	83.7 J	6.83 U	1.63 U	3370 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.18 U	7.23 J	615 J	2.02 U	60.1 J	4.73 U	139 J	684 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		66.8	90.1	758	143	127	701	548	42500 J
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		745	1140	27800 J	1850	2990 J	11400 J	8350 J	102000 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		82.6 J	12 J	208 J	0.855 U	32.9 J	63.2 J	35.4 J	134 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		4.41 J	0.5 U	38.6 J	11 J	5.48 J	31.3 J	1.48 U	25 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		33.8	0.966 U	56.3 J	2.84 U	14.2	4.09 U	1.91 U	3.32 U
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.491 U	0.398 U	3.6 J	0.489 U	1.64 J	0.547 U	0.854 U	3.25 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-010-OHW	SIB-010-TOB	SIB-011-OHW	SIB-011-TOB	SIB-012-MLW	SIB-013-MLW	SIB-014-MLW	SIB-022-MLW
					Sample ID	SIB-010-OHW-0-1-10172022	SIB-010-TOB-0-1-10172022	SIB-011-OHW-0-1-10172022	SIB-011-TOB-0-1-10172022	SIB-012-MLW-0-1-10172022	SIB-013-MLW-0-1-10172022	SIB-014-MLW-0-1-10172022	SIB-022-MLW-0-1-10252022
TOTAL HpCDFs	pg/g	NE	NE	NE		107 J	132 J	1720 J	235 J	190 J	1000	862	20100
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		6.9 J	3.1 J	**75.9 J**	**16.9 J**	**10.3 J**	**45.8 J**	**28.3 J**	**217 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-010-OHW	SIB-010-TOB	SIB-011-OHW	SIB-011-TOB	SIB-012-MLW	SIB-013-MLW	SIB-014-MLW	SIB-022-MLW
					Sample ID	SIB-010-OHW-0-1-10172022	SIB-010-TOB-0-1-10172022	SIB-011-OHW-0-1-10172022	SIB-011-TOB-0-1-10172022	SIB-012-MLW-0-1-10172022	SIB-013-MLW-0-1-10172022	SIB-014-MLW-0-1-10172022	SIB-022-MLW-0-1-10252022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-010-OHW	SIB-010-TOB	SIB-011-OHW	SIB-011-TOB	SIB-012-MLW	SIB-013-MLW	SIB-014-MLW	SIB-022-MLW
					Sample ID	SIB-010-OHW-0-1-10172022	SIB-010-TOB-0-1-10172022	SIB-011-OHW-0-1-10172022	SIB-011-TOB-0-1-10172022	SIB-012-MLW-0-1-10172022	SIB-013-MLW-0-1-10172022	SIB-014-MLW-0-1-10172022	SIB-022-MLW-0-1-10252022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

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					Location ID	SIB-010-OHW	SIB-010-TOB	SIB-011-OHW	SIB-011-TOB	SIB-012-MLW	SIB-013-MLW	SIB-014-MLW	SIB-022-MLW
					Sample ID	SIB-010-OHW-0-1-10172022	SIB-010-TOB-0-1-10172022	SIB-011-OHW-0-1-10172022	SIB-011-TOB-0-1-10172022	SIB-012-MLW-0-1-10172022	SIB-013-MLW-0-1-10172022	SIB-014-MLW-0-1-10172022	SIB-022-MLW-0-1-10252022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	1480000 J	NA	NA	NA	522000 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2 U	2 U	19 U	**100**	2.4 U	2.1 U	**320**	23 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		4.3 U	4.3 UJ	890 J	310	240	4.5 U	860 J	490 J
ARSENIC	mg/kg	3	NE	NE		**4.24**	**4**	**68.5**	**29.4**	**10.7 J**	**3.37**	**5.52**	**27.5**
CADMIUM	mg/kg	0.51	NE	NE		0.17	0.12	**1.27**	**2.25**	0.5	0.21	0.15	**0.74**
COPPER	mg/kg	359	NE	NE		203	60.7	**1310**	**1820**	**527**	269	**738**	250
LEAD	mg/kg	196	NE	NE		44.8	25.6	**222**	**623**	125 J	40.2	119	86.1
ZINC	mg/kg	459	NE	NE		239	91.8	**1840**	**1220**	**555**	251	359	**524**
MERCURY	mg/kg	0.085	NE	NE		0.0782	**0.365**	0.0182 J	**0.149**	0.0459	**0.107**	**0.0871**	0.0554
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	14.7 U	2.9 U	2.9 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	39 U	7.8 U	7.8 U	7.8 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-010-OHW	SIB-010-TOB	SIB-011-OHW	SIB-011-TOB	SIB-012-MLW	SIB-013-MLW	SIB-014-MLW	SIB-022-MLW
					Sample ID	SIB-010-OHW-0-1-10172022	SIB-010-TOB-0-1-10172022	SIB-011-OHW-0-1-10172022	SIB-011-TOB-0-1-10172022	SIB-012-MLW-0-1-10172022	SIB-013-MLW-0-1-10172022	SIB-014-MLW-0-1-10172022	SIB-022-MLW-0-1-10252022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	39 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	39 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	39 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	7.8 U	155 J	349	31.4 J	42.1 J	7.8 U	31.4 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		82.1	38.2	354 J	1290	130 J	103 J	47.5 J	60 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		120	41.6	351 J	1650	333 J	114 J	139 J	63.4 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	14.7 U	2.9 U	2.9 U	2.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**225**	**102**	**879**	**3380**	**513**	**278**	**209**	**173**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		**480 J**	9.7 UJ	**2700 J**	**860 J**	**370 J**	**950 J**	**280 J**	**740 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.41 U	0.41 U	3.8 U	0.37 U	0.46 U	0.42 U	4.2 U	0.45 U
ACENAPHTHENE	µg/kg	NE	NE	NE		4.8 J	0.67 J	58	18	9.9	10	43 J	28
ACENAPHTHYLENE	µg/kg	NE	NE	NE		12	2.7 J	19 J	4 J	4.5 J	6.4	26 J	15
ANTHRACENE	µg/kg	NE	NE	NE		10	1.8 J	120	17	130	15	66	200
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		42	15	470	200	960	74	200	1100
BENZO(A)PYRENE	µg/kg	NE	NE	NE		78	28	600	240	980	110	360	1200
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		91	28	720	420	2700	150	350	1600
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		57	30	380	140	670	83	330	550
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		31	11	290	160	880	55	140	610
CHRYSENE	µg/kg	NE	NE	NE		59	19	570	370	1800 J	99	260	1400
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		10	4.5 J	79	37	190	18	51 J	190
FLUORANTHENE	µg/kg	NE	NE	NE		100	23	1100	760	2000	170	570	1300
FLUORENE	µg/kg	NE	NE	NE		5.7	0.84 J	65	18	12	8.5	45 J	33
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		65	29	470	190	1000	110	330	720
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.51 U	0.51 U	4.8 U	0.47 U	0.59 U	0.53 U	5.4 U	0.57 U
PHENANTHRENE	µg/kg	NE	NE	NE		47	7.3	650	470	550	92	350	500
PYRENE	µg/kg	NE	NE	NE		96	29	930	630	1700	160	490	1400
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		709	230	6530	3670	13600	1160	3620	10800
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		108	39.8 J	**848**	360	**1650 J**	162	501 J	**1740**
SOLIDS, PERCENT	%	NE	NE	NE		92.1	91.7	97.1	97.5	77.6	88.3	84.1	80.4
TOTAL ORGANIC CARBON	%	NE	NE	NE		1.37	0.2	3.47	1.03	0.31	0.63	0.79	0.54

Attachment C.1 (continued)
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					Location ID	SIB-022-OHW	SIB-023-OHW	SIB-024-OHW	SIB-025-OHW	SIB-026-OHW	SIB-027-OHW	SIB-028-OHW	SIB-029-OHW
					Sample ID	SIB-022-OHW-0-1-10252022	SIB-023-OHW-0-1-10252022	SIB-024-OHW-0-1-10252022	SIB-025-OHW-0-1-10252022	SIB-026-OHW-0-1-10252022	SIB-027-OHW-0-1-10252022	SIB-028-OHW-0-1-10252022	SIB-029-OHW-0-1-10252022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		17	31 J	130 J	200 J	10	0.43 U	30	36
2,4'-DDD	µg/kg	NE	NE	NE		0.28 U	0.33 U	0.33 U	0.44 J	0.28 U	0.28 U	0.62 J	0.77 J
P,P'-DDD	µg/kg	NE	NE	NE		0.16 U	1.2	2.2	3.9	0.16 U	0.16 U	3 J	2.9 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.28 U	1.4	2.4	4.3	0.28 U	0.28 U	3.6	3.7
O,P'-DDE	µg/kg	NE	NE	NE		0.34 U	0.41 U	0.42 U	0.38 U	0.35 U	0.35 U	0.38 U	0.34 U
P,P'-DDE	µg/kg	NE	NE	NE		0.31 U	0.8	0.44 J	1	0.31 U	0.31 U	1 J	0.89 J
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.34 U	1	0.65	1.2	0.35 U	0.35 U	1.2	1.1
O,P'-DDT	µg/kg	NE	NE	NE		0.41 UJ	1.7 J	0.97 J	3.1 J	0.42 UJ	0.42 U	2.5 J	3.3 J
P,P'-DDT	µg/kg	NE	NE	NE		2.6 J	11 J	13 J	31 J	0.23 J	0.21 U	28 J	25 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		2.8	12.7	14	34.1	0.44	0.42 U	30.5	28.3
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		3.4	**15.1**	**17**	**39.6**	0.99	0.42 U	**35.3**	**33**
ALDRIN	µg/kg	2	NE	NE		0.34 U	0.41 U	0.42 U	0.38 U	0.35 U	0.35 U	0.38 U	0.34 U
DIELDRIN	µg/kg	0.07	NE	NE		0.34 U	0.4 U	0.41 U	0.37 U	0.34 U	0.35 U	**0.48 J**	0.33 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.14 U	0.16 U	0.17 U	0.15 U	0.14 U	0.14 U	0.15 U	0.14 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.27 U	0.32 U	0.33 U	0.43 J	0.28 U	0.28 U	0.55 J	0.63 J
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.28 U	0.33 U	0.34 U	0.55 J	0.28 U	0.29 U	0.94 J	1 J
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.42 U	0.5 U	0.51 U	0.46 U	0.43 U	0.43 U	0.47 U	0.42 U
Oxychlordane	µg/kg	NE	NE	NE		0.56 U	0.67 U	0.68 U	0.62 U	0.57 U	0.58 U	0.62 U	0.56 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.25 U	0.3 U	0.31 U	0.28 U	0.26 U	0.26 U	0.28 J	0.38 J
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.56 U	0.67 U	0.68 U	**1.7**	0.57 U	0.58 U	**2.3**	**2.5**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		287	897	1760	2580	307	55.3	5870	9660
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		971	2140	4810	7450	760	139	12600	20800
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		16.1	53.9	79 J	150 U	17	3.17 J	265	523 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**12.7**	**18.1 J**	**36.7 J**	**71 J**	**8.35**	**2.91 J**	**142 J**	**836**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.84 J	11.3 J	19.3 U	56.2 U	2.22 J	1.82 U	21.4 J	83.4 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.72 J	7.38 U	20.4 J	40 U	3.76 J	1.16 U	42.7 J	108 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		16.7 J	45.9 J	96.3 J	245 J	18.4 J	3.81 J	327 J	631 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.46 J	10.8 U	22.6 U	68.8 U	2.32 J	1.7 U	22.8 U	125 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.79 J	9.52 U	18.8 U	54.1 U	4.07 J	2.41 J	41.4 J	80.2 U
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.25 U	6.18 U	8.98 U	24.9 U	1.99 J	1.17 J	7.04 U	62.8 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.836 U	4.04 U	7.22 U	15.7 U	**0.756 J**	0.95 U	7.68 U	22.8 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.74 J	12.9 J	15.6 J	49.1 U	3.98 J	1.63 J	52.4	178 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**2.51 J**	5.92 U	8.8 U	22.5 U	**1.06 J**	0.94 U	**15.9 J**	**102 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		1.07 U	5.52 U	7.08 U	27 U	0.434 U	1.12 U	7.66 U	31.6 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.27 U	6.5 U	11.1 U	9.84 U	0.168 U	0.44 U	5.86 U	19.3 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		1970	3820	8200	13100	1280	254	20700	33100
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		323 J	827 J	1480 J	2800 J	287 J	58.8 J	5580 J	12100 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		114 J	181 J	338	734 J	68.2 J	21.5 J	1010 J	1690
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1560	5560	11000	11900	1850	283	36300	42300
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		8990 J	21900	46500 J	54100	7170 J	1350	114000 J	121000
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		23.7 J	63.4 J	84.1 J	79.7 J	27.6 J	10.2 J	216 J	533 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.836 U	4.04 U	7.22 U	15.7 U	6.74 J	2.23 J	8.42 J	22.8 U
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		2.14	19.7 J	7.08 U	27 U	3.29 J	1.12 U	17.9	31.6 U
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.27 U	6.5 U	11.1 U	9.84 U	0.672 J	0.44 U	5.86 U	19.3 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-022-OHW	SIB-023-OHW	SIB-024-OHW	SIB-025-OHW	SIB-026-OHW	SIB-027-OHW	SIB-028-OHW	SIB-029-OHW
					Sample ID	SIB-022-OHW-0-1-10252022	SIB-023-OHW-0-1-10252022	SIB-024-OHW-0-1-10252022	SIB-025-OHW-0-1-10252022	SIB-026-OHW-0-1-10252022	SIB-027-OHW-0-1-10252022	SIB-028-OHW-0-1-10252022	SIB-029-OHW-0-1-10252022
TOTAL HpCDFs	pg/g	NE	NE	NE		1650	5360	10200	16100	1790 J	281 J	35800	59000
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**21.9 J**	**55.9 J**	**115 J**	**184 J**	**19.1 J**	4.7 J	**308 J**	**603 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-022-OHW	SIB-023-OHW	SIB-024-OHW	SIB-025-OHW	SIB-026-OHW	SIB-027-OHW	SIB-028-OHW	SIB-029-OHW
					Sample ID	SIB-022-OHW-0-1-10252022	SIB-023-OHW-0-1-10252022	SIB-024-OHW-0-1-10252022	SIB-025-OHW-0-1-10252022	SIB-026-OHW-0-1-10252022	SIB-027-OHW-0-1-10252022	SIB-028-OHW-0-1-10252022	SIB-029-OHW-0-1-10252022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-022-OHW	SIB-023-OHW	SIB-024-OHW	SIB-025-OHW	SIB-026-OHW	SIB-027-OHW	SIB-028-OHW	SIB-029-OHW
					Sample ID	SIB-022-OHW-0-1-10252022	SIB-023-OHW-0-1-10252022	SIB-024-OHW-0-1-10252022	SIB-025-OHW-0-1-10252022	SIB-026-OHW-0-1-10252022	SIB-027-OHW-0-1-10252022	SIB-028-OHW-0-1-10252022	SIB-029-OHW-0-1-10252022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-022-OHW	SIB-023-OHW	SIB-024-OHW	SIB-025-OHW	SIB-026-OHW	SIB-027-OHW	SIB-028-OHW	SIB-029-OHW
					Sample ID	SIB-022-OHW-0-1-10252022	SIB-023-OHW-0-1-10252022	SIB-024-OHW-0-1-10252022	SIB-025-OHW-0-1-10252022	SIB-026-OHW-0-1-10252022	SIB-027-OHW-0-1-10252022	SIB-028-OHW-0-1-10252022	SIB-029-OHW-0-1-10252022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	181000 J	NA	NA	NA	800000 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		19 U	2 UJ	68 J	**130 J**	2 UJ	2 U	1.9 U	19 UJ
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		42 U	4.3 UJ	4.2 UJ	1400	4.3 UJ	4.2 U	4 U	730 J
ARSENIC	mg/kg	3	NE	NE		**8.86**	**10.4**	**14.1**	**22.7**	**15.2**	**7.32**	**91.1**	**51**
CADMIUM	mg/kg	0.51	NE	NE		0.23	**0.82**	**0.74**	**1.02**	0.1 J	0.12	**1.13**	**1.21**
COPPER	mg/kg	359	NE	NE		60 J	97 J	104 J	312 J	53.6 J	27.5 J	226 J	291 J
LEAD	mg/kg	196	NE	NE		19 J	82.5 J	88.6 J	155 J	11 J	19.7 J	**201 J**	170 J
ZINC	mg/kg	459	NE	NE		96.9	349	**593**	**800**	118	70	**734**	**810**
MERCURY	mg/kg	0.085	NE	NE		**0.122**	0.0644	**0.254**	**0.376**	0.0199 J	0.066	**0.194**	**0.143**
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-022-OHW	SIB-023-OHW	SIB-024-OHW	SIB-025-OHW	SIB-026-OHW	SIB-027-OHW	SIB-028-OHW	SIB-029-OHW
					Sample ID	SIB-022-OHW-0-1-10252022	SIB-023-OHW-0-1-10252022	SIB-024-OHW-0-1-10252022	SIB-025-OHW-0-1-10252022	SIB-026-OHW-0-1-10252022	SIB-027-OHW-0-1-10252022	SIB-028-OHW-0-1-10252022	SIB-029-OHW-0-1-10252022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	50.6 J	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		7.8 U	26.9 J	118 J	146 J	10.4	1.6 U	104 J	90.7 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		29.1	44.1 J	137 J	217 J	13.6	0.6 U	199 J	270 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**55.4**	**93.4**	**277**	**432**	**28.6**	1.6 U	**325**	**383**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		30 J	39 J	**270**	**290**	31 J	**140 J**	**260 J**	**880 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	0.39 U	0.41 U	0.4 U	0.42 U	0.41 U	0.38 U	0.38 U
ACENAPHTHENE	µg/kg	NE	NE	NE		0.32 U	0.32 U	0.33 U	0.32 U	0.34 U	0.33 U	21	0.31 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.3 U	0.29 U	0.31 U	0.3 U	0.32 U	0.31 U	19	0.29 U
ANTHRACENE	µg/kg	NE	NE	NE		0.31 U	0.3 U	0.32 U	16	15	0.32 U	99	16
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		7.6	6.4	8.2	32	34	0.25 U	410	51
BENZO(A)PYRENE	µg/kg	NE	NE	NE		12	13	16	51	44	8.4	560	64
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		0.4 U	0.4 U	23	88	53	0.42 U	600	99
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		12 J	14 J	23 J	120 J	27 J	3.9 J	300	74
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		5.1 J	5.5	7.7	25	20	2.3 J	250	32
CHRYSENE	µg/kg	NE	NE	NE		11	7.7	10	29	33	4.2 J	490	83
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		2.3 J	2.6 J	3.3 J	29	6.7	0.51 J	84	14
FLUORANTHENE	µg/kg	NE	NE	NE		34	17	21	86	83	0.69 U	500	140
FLUORENE	µg/kg	NE	NE	NE		0.6 U	0.59 U	0.62 U	0.61 U	0.64 U	0.62 U	21	0.58 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		11	13	24	67	36	3.9 J	410	72
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.49 U	0.49 U	0.51 U	0.5 U	0.53 U	0.51 U	0.48 U	0.48 U
PHENANTHRENE	µg/kg	NE	NE	NE		0.62 U	0.62 U	0.64 U	55	58	0.64 U	210	85
PYRENE	µg/kg	NE	NE	NE		28	16	23	81	68	8.6	640	160
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		125	96.9	161	680	479	34.1	4610	891
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		16.2 J	17.6 J	24.9 J	99	63.2	9.4 J	**789**	101
SOLIDS, PERCENT	%	NE	NE	NE		94.9	92.2	91.3	93.6	89.2	92.1	98.1	97.7
TOTAL ORGANIC CARBON	%	NE	NE	NE		0.2	0.32	0.52	1.43	0.11	0.07 J	0.48	0.9

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-030-MLW	SIB-030-OHW	SIB-031-OHW	SIB-032-OHW	SIB-033-OHW	SIB-034-MLW	SIB-034-OHW	SIB-035-OHW
					Sample ID	SIB-030-MLW-0-1-10252022	SIB-030-OHW-0-1-10252022	SIB-031-OHW-0-1-10252022	SIB-032-OHW-0-1-10252022	SIB-033-OHW-0-1-10252022	SIB-034-MLW-0-1-10252022	SIB-034-OHW-0-1-10252022	SIB-035-OHW-0-1-10252022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		12	3.1	37	67	42	230	46	130
2,4'-DDD	µg/kg	NE	NE	NE		5.8 J	0.59 U	1.2 J	2.4 J	5.1 J	0.35 U	0.49 J	0.61 J
P,P'-DDD	µg/kg	NE	NE	NE		22 J	0.33 U	5.9 J	28 J	19 J	0.2 U	1.4 J	2.9 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		27.8	0.59 U	7.1	30.4	24.1	0.35 U	1.9	3.5
O,P'-DDE	µg/kg	NE	NE	NE		0.48 U	0.74 U	0.4 U	0.42 U	0.35 J	0.44 U	0.43 U	0.36 U
P,P'-DDE	µg/kg	NE	NE	NE		2.1 J	0.65 U	1.3 J	4.4 J	3.3 J	0.85 J	3 J	1.6 J
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		2.3	0.74 U	1.5	4.6	3.7	1.1	3.2	1.8
O,P'-DDT	µg/kg	NE	NE	NE		0.57 U	0.88 U	3.7 J	18 J	14 J	0.52 U	1.4 J	3.4 J
P,P'-DDT	µg/kg	NE	NE	NE		9.1 J	0.44 UJ	37 J	180 J	73 J	5.6 J	11 J	27 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		9.4	0.88 U	40.7	198	87	5.9	12.4	30.4
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**39.5**	0.88 U	**49.3**	**233**	**115**	**7.2**	**17.5**	**35.7**
ALDRIN	µg/kg	2	NE	NE		0.48 U	0.74 U	0.4 U	0.42 U	0.35 U	0.44 U	0.43 U	0.36 U
DIELDRIN	µg/kg	0.07	NE	NE		0.47 U	0.72 U	0.39 U	0.41 U	0.34 U	0.43 U	0.42 U	0.35 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.19 U	0.29 U	0.16 U	0.17 U	0.14 U	0.18 U	0.17 U	0.15 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		2.7 J	0.58 U	0.32 U	0.68 J	1.5 J	2.5 J	0.34 U	0.64 J
BETA-CHLORDANE	µg/kg	NE	NE	NE		6 J	0.6 U	0.42 J	1.3 J	3 J	5.1 J	0.55 J	1.1 J
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.59 U	0.9 U	0.49 U	0.52 U	0.43 U	0.54 U	0.52 U	0.44 U
Oxychlordane	µg/kg	NE	NE	NE		0.79 U	1.3 U	0.66 U	0.69 U	0.57 U	0.72 U	0.7 U	0.59 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		1.2 J	0.54 U	0.3 U	0.38 J	0.65 J	1.3 J	0.32 U	0.33 J
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**10.6**	1.3 U	1.3	**3**	**5.7**	**9.5**	**1.5**	**2.6**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6730	3270	13800	4910	8250	2480	5130	4750
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		15800	6290	26900	10600	13500	5850	9770	7870
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		541	213	995	301	1140	256	619	553
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**1260**	**580**	**2570**	**575**	**3000**	**651**	**1450**	**1260**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		32.4 U	18.7 J	60.8 U	28.7 U	50 U	37.2 J	29.6 J	26.8 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		257	126 J	540	104 J	525 J	145	226 J	276
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		437	199	767	283 J	489 J	164	284	234
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		176 J	72.1	316 J	72.4 U	464 J	112	226	191
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		52 J	31.5 J	59.4 U	28.6 J	88.6 J	74.6 J	70.4 J	59.1 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		26.1 U	40.7 J	72.4 U	24.5 U	108 U	24.7 J	33.2 J	33.2 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		18.8 U	6.03 U	32.4 U	17.4 U	27.6 U	**17.8 J**	**15 J**	**14.3 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		270	126	511	122 J	681	158	320	282
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**182 J**	**71.7**	**295 J**	**90.3 J**	**336 J**	**102**	**164**	**179**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		18.9 U	9.27 U	42 U	17.6 U	44.8 U	**11.2**	**8.67 J**	**9.34 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		18.2 U	3 U	39.4 U	15.8 U	26.4 U	**6.73 J**	3.94 U	4.22 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		29500	10300	42300	16900	24900	10700	17100	14600
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		11400 J	5340 J	22900 J	6290 J	18500 J	5170 J	10600 J	9370 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1610 J	590 J	1900 J	777 J	1420 J	831 J	1110 J	994 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		21400	11500	41300	18200	10700	4540	16700	11700
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		138000	64200 J	159000	71200	123000	59300 J	113000 J	77200 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		1060 J	632 J	1770 J	514 J	2030 J	835 J	1130 J	1240 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		20 J	6.03 U	32.4 U	17.4 U	27.6 U	60.3 J	29.3 J	53.4 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		71 J	69.3	103 J	17.6 U	408 J	104	144	149 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		18.2 U	3 U	39.4 U	15.8 U	26.4 U	15 J	3.94 U	4.22 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-030-MLW	SIB-030-OHW	SIB-031-OHW	SIB-032-OHW	SIB-033-OHW	SIB-034-MLW	SIB-034-OHW	SIB-035-OHW
					Sample ID	SIB-030-MLW-0-1-10252022	SIB-030-OHW-0-1-10252022	SIB-031-OHW-0-1-10252022	SIB-032-OHW-0-1-10252022	SIB-033-OHW-0-1-10252022	SIB-034-MLW-0-1-10252022	SIB-034-OHW-0-1-10252022	SIB-035-OHW-0-1-10252022
TOTAL HpCDFs	pg/g	NE	NE	NE		34500 J	16300 J	71400 J	26600	33600	9750	22200	20200
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**600 J**	**263 J**	**1080 J**	**346 J**	**928 J**	**296 J**	**523 J**	**463 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-030-MLW	SIB-030-OHW	SIB-031-OHW	SIB-032-OHW	SIB-033-OHW	SIB-034-MLW	SIB-034-OHW	SIB-035-OHW
					Sample ID	SIB-030-MLW-0-1-10252022	SIB-030-OHW-0-1-10252022	SIB-031-OHW-0-1-10252022	SIB-032-OHW-0-1-10252022	SIB-033-OHW-0-1-10252022	SIB-034-MLW-0-1-10252022	SIB-034-OHW-0-1-10252022	SIB-035-OHW-0-1-10252022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-030-MLW	SIB-030-OHW	SIB-031-OHW	SIB-032-OHW	SIB-033-OHW	SIB-034-MLW	SIB-034-OHW	SIB-035-OHW
					Sample ID	SIB-030-MLW-0-1-10252022	SIB-030-OHW-0-1-10252022	SIB-031-OHW-0-1-10252022	SIB-032-OHW-0-1-10252022	SIB-033-OHW-0-1-10252022	SIB-034-MLW-0-1-10252022	SIB-034-OHW-0-1-10252022	SIB-035-OHW-0-1-10252022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-030-MLW	SIB-030-OHW	SIB-031-OHW	SIB-032-OHW	SIB-033-OHW	SIB-034-MLW	SIB-034-OHW	SIB-035-OHW
					Sample ID	SIB-030-MLW-0-1-10252022	SIB-030-OHW-0-1-10252022	SIB-031-OHW-0-1-10252022	SIB-032-OHW-0-1-10252022	SIB-033-OHW-0-1-10252022	SIB-034-MLW-0-1-10252022	SIB-034-OHW-0-1-10252022	SIB-035-OHW-0-1-10252022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	101000 J	NA	NA	NA	237000 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		24 UJ	3.3 U	20 U	20 U	**380**	**750**	20 U	20 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		1600 J	7.2 U	870 J	1100	3300	3000	560 J	670 J
ARSENIC	mg/kg	3	NE	NE		**50.6**	**24**	**22.1**	**21.3**	**83.3**	**167**	**88.6**	**32.8**
CADMIUM	mg/kg	0.51	NE	NE		**0.83**	**4.86**	0.42	**1**	**1.76**	**2.03**	**0.98**	**1.66**
COPPER	mg/kg	359	NE	NE		250 J	113 J	83.6 J	253 J	**639 J**	**708 J**	266 J	**556 J**
LEAD	mg/kg	196	NE	NE		**227 J**	57.5 J	112 J	**296 J**	**539 J**	**247 J**	**239 J**	**203 J**
ZINC	mg/kg	459	NE	NE		**640**	**684**	392	**666**	**1180**	**1750**	**724**	**866**
MERCURY	mg/kg	0.085	NE	NE		**0.33**	**0.104**	**1.43**	**0.351**	**0.596**	**0.397**	**0.284**	**0.15 J**
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-030-MLW	SIB-030-OHW	SIB-031-OHW	SIB-032-OHW	SIB-033-OHW	SIB-034-MLW	SIB-034-OHW	SIB-035-OHW
					Sample ID	SIB-030-MLW-0-1-10252022	SIB-030-OHW-0-1-10252022	SIB-031-OHW-0-1-10252022	SIB-032-OHW-0-1-10252022	SIB-033-OHW-0-1-10252022	SIB-034-MLW-0-1-10252022	SIB-034-OHW-0-1-10252022	SIB-035-OHW-0-1-10252022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		119 J	25.9 J	40.6 J	116 J	607 J	338 J	148 J	198 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		484 J	63.8 J	162 J	264 J	691 J	240 J	212 J	285 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**625**	**112**	**225**	**402**	**1320**	**600**	**382**	**505**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		**1400 J**	**310 J**	**640 J**	**410 J**	**1000 J**	**1400 J**	**740 J**	**840 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		4.6 U	0.68 U	0.4 U	3.9 U	95 J	2.2 U	2.1 U	0.4 U
ACENAPHTHENE	µg/kg	NE	NE	NE		240	0.55 U	17	3.2 U	51 J	1.8 U	18 J	22
ACENAPHTHYLENE	µg/kg	NE	NE	NE		110	0.51 U	12	11 J	69 J	31	16 J	25
ANTHRACENE	µg/kg	NE	NE	NE		560	0.53 U	47	36 J	150	61	150	150
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		1100	37	110	170	300	170	590	710
BENZO(A)PYRENE	µg/kg	NE	NE	NE		1400	58	140	260	440	300	640	950
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		1400	67	190	330	720	390	830	1500
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		860	37	170	190	440	480	330	690
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		510	26	70	110	220	140	310	510
CHRYSENE	µg/kg	NE	NE	NE		1300	55	140	220	530	250	640	970
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		150	6.6 J	31	41 J	75 J	65	87	180
FLUORANTHENE	µg/kg	NE	NE	NE		2400	98	230	340	790	340	1200	1300
FLUORENE	µg/kg	NE	NE	NE		290	1.1 U	20	6 U	56 J	3.4 U	37	40
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		970	42	150	200	500	420	460	960
NAPHTHALENE	µg/kg	NE	NE	1E+05		5.9 U	0.86 U	0.51 U	5 U	9.6 U	2.8 U	2.6 U	0.51 U
PHENANTHRENE	µg/kg	NE	NE	NE		2000	41	180	140	400	140	530	450
PYRENE	µg/kg	NE	NE	NE		3100	100	260	320	780	340	1100	1300
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		16400	570	1770	2380	5620	3130	6940	9760
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		**1900**	79.5 J	217	372 J	670 J	465	**919**	**1450**
SOLIDS, PERCENT	%	NE	NE	NE		77.3	53.8	91.2	93.1	95.7	81.4	89.1	89.5
TOTAL ORGANIC CARBON	%	NE	NE	NE		3.17	8.86	1.13	2.28	2.73	2.66	0.71	1.02

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-036-MLW	SIB-036-OHW	SIB-037-MLW	SIB-037-OHW	SIB-038-MLW	SIB-038-OHW	SIB-039-MLW	SIB-039-OHW
					Sample ID	SIB-036-MLW-0-1-10252022	SIB-036-OHW-0-1-10252022	SIB-037-MLW-0-1-10252022	SIB-037-OHW-0-1-10252022	SIB-038-MLW-0-1-10252022	SIB-038-OHW-0-1-10252022	SIB-039-MLW-0-1-10252022	SIB-039-OHW-0-1-10252022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		72	0.43 U	3.4	0.94 J	0.88 J	0.45 J	1.3 J	0.43 UJ
2,4'-DDD	µg/kg	NE	NE	NE		5.9 J	0.38 U	1.4 J	0.37 U	0.34 U	0.35 U	0.35 U	0.29 U
P,P'-DDD	µg/kg	NE	NE	NE		17 J	0.21 U	4.8 J	0.21 U	5.3 J	0.2 U	0.2 U	0.39 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		22.9	0.38 U	6.2	0.37 U	5.5	0.35 U	0.35 U	0.29 U
O,P'-DDE	µg/kg	NE	NE	NE		0.74 J	0.47 U	0.46 U	0.46 U	0.43 U	0.44 U	0.44 U	0.36 U
P,P'-DDE	µg/kg	NE	NE	NE		6.4 J	0.42 U	1 J	0.41 U	0.86 J	0.39 U	0.39 U	0.32 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		7.1	0.47 U	1.2	0.46 U	1.1	0.44 U	0.44 U	0.36 U
O,P'-DDT	µg/kg	NE	NE	NE		5 J	0.56 U	0.55 U	0.54 U	0.51 U	0.52 U	0.52 U	0.43 U
P,P'-DDT	µg/kg	NE	NE	NE		26 J	0.28 U	0.28 UJ	0.27 UJ	2.5 J	0.26 U	0.26 U	0.22 U
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		31	0.56 U	0.55 U	0.54 U	2.8	0.52 U	0.52 U	0.43 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**61**	0.56 U	**7.8**	0.54 U	**9.3**	0.52 U	0.52 U	0.43 U
ALDRIN	µg/kg	2	NE	NE		0.46 U	0.47 U	0.46 U	0.46 U	0.43 U	0.44 U	0.44 U	0.36 U
DIELDRIN	µg/kg	0.07	NE	NE		0.45 U	0.46 U	0.45 U	0.45 U	0.42 U	0.43 U	0.43 U	0.35 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.18 U	0.19 U	0.18 U	0.18 U	0.17 U	0.18 U	0.18 U	0.14 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		30 J	0.37 U	3.1 J	0.36 U	3.7 J	0.35 U	0.35 U	0.28 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		65 J	0.38 U	4.6 J	0.37 U	7 J	0.36 U	0.36 U	0.29 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		8.5 J	0.58 U	0.57 U	0.56 U	0.52 U	0.54 U	0.54 U	0.44 U
Oxychlordane	µg/kg	NE	NE	NE		0.76 U	0.77 U	0.76 U	0.75 U	0.7 U	0.72 U	0.72 U	0.59 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		33 J	0.35 U	1.3 J	0.34 U	1.4 J	0.32 U	0.33 U	0.26 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**137**	0.77 U	**9.7**	0.75 U	**12.7**	0.72 U	0.72 U	0.59 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5280	119 J	458	52.5	166	20.9	97	83.05 J
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		10500	144 J	852	88.2	337	50.1	217	136.35 J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		614	16.5	69.6	7.81	12.1	1.96 J	10.9	8.605
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**1660**	**45.4**	**174**	**18.9**	**28.8**	**5.17**	**23.7**	**30.55 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		14.7 J	0.886 J	2.25 J	0.434 J	2.82 J	0.695 U	1.74 J	0.66 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		301	11.5	36.5	4.29 J	12.4	1.74 J	6.67	6.805 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		275	5.55	30.8	3.13 J	13.9	1.81 J	7.51	4.79 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		256	7.93	26.8	3.19 J	7.26	0.909 U	4.37 J	4.835 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		53.9 J	1.26 J	5.7	0.578 J	6.18 J	1.09 J	2.81 J	1.046 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		39.4 J	10.7	6.4	1.51 J	4.15 J	2.29 J	5.58	1.2085 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**11.3 J**	**2.3 J**	**1.94 J**	0.308 U	**3.02 J**	0.539 U	**1.75 J**	**0.421 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		369	10.1	38.4	4.1 J	9.73	1.54 J	7.09	5.95 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**214**	**7.16**	**24.5**	**2.22 J**	**11.6**	**1.04 J**	**6.53**	**5.245 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**12.8**	0.624 U	**1.74 J**	0.444 U	**0.787 J**	**0.899 J**	**1.07 J**	0.252 J
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		2.44 U	0.31 U	0.292 U	0.304 U	**0.476 J**	0.491 U	**0.334 J**	0.159 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		22100	240	1750	163	696	94.3	412	257 J
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		11100 J	257 J	1080 J	119 J	274 J	42 J	180 J	188.5 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1400 J	27.5 J	154 J	12.9 J	105 J	11.4 J	41.3 J	20.55 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		7040	184 J	643	69.9	443	46.4	224	170 J
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		118000 J	1620 J	9980 J	1130	3050	370	1690	1418.5 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		1770 J	84.4 J	272 J	31.3 J	272 J	26.2 J	114 J	35.4 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		48.7 J	14.2 J	12.5 J	0.308 U	29.6 J	0.539 U	2.77 J	1.1475 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		390	10.4 J	170 J	15.5 J	360 J	11.8 J	54.4	2.775 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		16.4	3.2	2.77 J	0.304 U	8.25 J	0.491 U	1.09 J	0.198 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-036-MLW	SIB-036-OHW	SIB-037-MLW	SIB-037-OHW	SIB-038-MLW	SIB-038-OHW	SIB-039-MLW	SIB-039-OHW
					Sample ID	SIB-036-MLW-0-1-10252022	SIB-036-OHW-0-1-10252022	SIB-037-MLW-0-1-10252022	SIB-037-OHW-0-1-10252022	SIB-038-MLW-0-1-10252022	SIB-038-OHW-0-1-10252022	SIB-039-MLW-0-1-10252022	SIB-039-OHW-0-1-10252022
TOTAL HpCDFs	pg/g	NE	NE	NE		20500	457 J	1700	192	583 J	76.7 J	375 J	328.5 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**574 J**	**16.6 J**	**58.2 J**	6.3 J	**21.5 J**	3.1 J	**13.5 J**	**10.3**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-036-MLW	SIB-036-OHW	SIB-037-MLW	SIB-037-OHW	SIB-038-MLW	SIB-038-OHW	SIB-039-MLW	SIB-039-OHW
					Sample ID	SIB-036-MLW-0-1-10252022	SIB-036-OHW-0-1-10252022	SIB-037-MLW-0-1-10252022	SIB-037-OHW-0-1-10252022	SIB-038-MLW-0-1-10252022	SIB-038-OHW-0-1-10252022	SIB-039-MLW-0-1-10252022	SIB-039-OHW-0-1-10252022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-036-MLW	SIB-036-OHW	SIB-037-MLW	SIB-037-OHW	SIB-038-MLW	SIB-038-OHW	SIB-039-MLW	SIB-039-OHW
					Sample ID	SIB-036-MLW-0-1-10252022	SIB-036-OHW-0-1-10252022	SIB-037-MLW-0-1-10252022	SIB-037-OHW-0-1-10252022	SIB-038-MLW-0-1-10252022	SIB-038-OHW-0-1-10252022	SIB-039-MLW-0-1-10252022	SIB-039-OHW-0-1-10252022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-036-MLW	SIB-036-OHW	SIB-037-MLW	SIB-037-OHW	SIB-038-MLW	SIB-038-OHW	SIB-039-MLW	SIB-039-OHW
					Sample ID	SIB-036-MLW-0-1-10252022	SIB-036-OHW-0-1-10252022	SIB-037-MLW-0-1-10252022	SIB-037-OHW-0-1-10252022	SIB-038-MLW-0-1-10252022	SIB-038-OHW-0-1-10252022	SIB-039-MLW-0-1-10252022	SIB-039-OHW-0-1-10252022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	68100 J	NA	NA	NA	111000 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		**590**	2.2 U	22 U	2.1 U	**530**	2.1 U	**120**	2 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		2500	4.8 U	700 J	4.5 U	1800	4.5 U	370	4.2 U
ARSENIC	mg/kg	3	NE	NE		**26.2**	2.56	**3.88**	2.75	**7.83**	**5.54**	**3.81**	2.9
CADMIUM	mg/kg	0.51	NE	NE		**0.92**	0.03 U	0.09 J	0.08 J	0.18	0.2	0.16	0.05 J
COPPER	mg/kg	359	NE	NE		324 J	18.7 J	239 J	27.6 J	56.9 J	141 J	33.5 J	17.25 J
LEAD	mg/kg	196	NE	NE		**395 J**	4.61 J	47 J	56.2 J	181 J	11.4 J	27.3 J	5.8 J
ZINC	mg/kg	459	NE	NE		**539**	53.1	85.7	70.5	168	101	116	51.65
MERCURY	mg/kg	0.085	NE	NE		**0.366 J**	0.0328 J	0.0428 J	0.0229 J	0.00504 UJ	0.00546 UJ	0.0539 J	0.00472 UJ
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	0.6 U	2.9 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-036-MLW	SIB-036-OHW	SIB-037-MLW	SIB-037-OHW	SIB-038-MLW	SIB-038-OHW	SIB-039-MLW	SIB-039-OHW
					Sample ID	SIB-036-MLW-0-1-10252022	SIB-036-OHW-0-1-10252022	SIB-037-MLW-0-1-10252022	SIB-037-OHW-0-1-10252022	SIB-038-MLW-0-1-10252022	SIB-038-OHW-0-1-10252022	SIB-039-MLW-0-1-10252022	SIB-039-OHW-0-1-10252022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		392 J	2.9 J	25.1	7.8 U	34.8	1.6 U	7.8 U	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		424 J	4.8	56	20.6	119	9.9	72.3	0.6 U
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	0.6 U	2.9 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**838**	**12.3**	**104**	**46.9**	**176**	**15.3**	**98.6**	1.6 U
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		**880 J**	11 UJ	**1900 J**	11 UJ	**220 J**	20 UJ	11 UJ	9.4 UJ
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		4.9 U	0.45 U	0.44 U	0.43 U	0.46 U	0.42 U	0.44 U	0.4 U
ACENAPHTHENE	µg/kg	NE	NE	NE		100	0.37 U	0.36 U	0.35 U	0.37 U	0.34 U	0.36 U	0.32 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		72	0.35 U	0.34 U	0.33 U	9.6	0.32 U	0.34 U	0.3 U
ANTHRACENE	µg/kg	NE	NE	NE		300	0.36 U	0.35 U	0.34 U	19	0.33 U	0.35 U	0.31 U
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		520	12	18	13	43	17	8.5	0.25
BENZO(A)PYRENE	µg/kg	NE	NE	NE		570	15	26	22	70	30	14	6.7 J
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		660	0.47 U	34	26	77	33	0.46 U	0.41 U
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		490	5.4 J	45	15	91	23	11	3.9 J
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		230	4.4 J	9.7	8.5	26	11	5.9 J	2.6 J
CHRYSENE	µg/kg	NE	NE	NE		540	14	28	21	65	23	15	6.2 J
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		70	1 J	7.3	1.8 J	11	2.4 J	1.9 J	0.67 J
FLUORANTHENE	µg/kg	NE	NE	NE		1200	18	41	40	120	47	26	0.68
FLUORENE	µg/kg	NE	NE	NE		150	0.7 U	0.68 U	0.66 U	0.7 U	0.64 U	0.68 U	0.61 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		510	6.6	33	17	75	24	11	4.5 J
NAPHTHALENE	µg/kg	NE	NE	1E+05		6.2 U	0.58 U	0.56 U	0.54 U	0.58 U	0.53 U	0.56 U	0.5 U
PHENANTHRENE	µg/kg	NE	NE	NE		900	0.72 U	0.71 U	0.68 U	69	0.66 U	0.7 U	0.63 U
PYRENE	µg/kg	NE	NE	NE		1100	26	42	46	130	62	28	8.4
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		7420	104	286	212	807	274	123	35.2
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		**812**	17.9 J	41.9	29.5 J	101	39.9 J	17.9 J	7.9
SOLIDS, PERCENT	%	NE	NE	NE		75.7	81.5	82.6	85.9	78.6	87.3	83.7	92.75
TOTAL ORGANIC CARBON	%	NE	NE	NE		2.54	0.09 J	0.64	0.09 J	1.22	0.35	0.43	0.05 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-040-MLW	SIB-040-OHW	SIB-041-MLW	SIB-041-OHW	SIB-042-MLW	SIB-042-OHW	SIB-043-OHW	SIB-043-TOB
					Sample ID	SIB-040-MLW-0-1-10242022	SIB-040-OHW-0-1-10242022	SIB-041-MLW-0-1-10242022	SIB-041-OHW-0-1-10242022	SIB-042-MLW-0-1-10242022	SIB-042-OHW-0-1-10242022	SIB-043-OHW-0-1-10242022	SIB-043-TOB-0-1-10242022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		100 J	1.2 J	5.8 J	0.48 UJ	7.3 J	0.51 UJ	2.1 J	65 J
2,4'-DDD	µg/kg	NE	NE	NE		0.36 U	0.32 U	0.34 U	0.29 U	0.65 J	0.36 U	0.32 U	0.32 U
P,P'-DDD	µg/kg	NE	NE	NE		0.28 J	0.18 U	0.86 J	0.17 U	2.2 J	0.2 U	0.58 J	0.18 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.46	0.32 U	1	0.29 U	2.9	0.36 U	0.74	0.32 U
O,P'-DDE	µg/kg	NE	NE	NE		0.45 U	0.4 U	0.43 U	0.37 U	0.49 U	0.45 U	0.4 U	0.4 U
P,P'-DDE	µg/kg	NE	NE	NE		0.4 U	0.36 U	0.38 U	0.33 U	0.43 U	0.4 U	1 J	0.35 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.45 U	0.4 U	0.43 U	0.37 U	0.49 U	0.45 U	1.2	0.4 U
O,P'-DDT	µg/kg	NE	NE	NE		0.54 U	0.48 U	0.51 U	0.44 U	0.58 U	0.53 U	1.1 J	0.47 U
P,P'-DDT	µg/kg	NE	NE	NE		0.81 J	0.33 J	2.4 J	0.55 J	0.93 J	0.27 J	6 J	0.24 U
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		1.1	0.57	2.7	0.77	1.2	0.54	7.1	0.47 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		2	1.2	4.1	1.4	4.5	1.2	**9**	0.47 U
ALDRIN	µg/kg	2	NE	NE		0.45 U	0.4 U	0.43 U	0.37 U	0.49 U	0.45 U	0.4 U	0.4 U
DIELDRIN	µg/kg	0.07	NE	NE		0.44 UJ	0.39 UJ	0.42 UJ	0.36 UJ	0.47 UJ	0.44 UJ	0.39 UJ	0.39 UJ
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.18 U	0.16 U	0.17 U	0.15 U	0.19 U	0.18 U	0.16 U	0.16 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.36 U	0.32 U	0.34 U	0.29 U	0.38 U	0.35 U	0.54 J	0.31 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.37 U	0.33 U	0.35 U	0.3 U	0.4 U	0.37 U	0.42 J	0.32 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.55 U	0.49 U	0.52 U	0.45 U	0.6 U	0.55 U	0.48 U	0.49 U
Oxychlordane	µg/kg	NE	NE	NE		0.74 U	0.66 U	0.7 U	0.6 U	0.8 U	0.74 U	0.65 U	0.65 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.33 U	0.3 U	0.31 U	0.27 U	0.36 U	0.33 U	1.8 J	0.29 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.74 U	0.66 U	0.7 U	0.6 U	0.8 U	0.74 U	**3.3**	0.65 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		258	40.8	1260	792	714	42	86.1	1300
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		650	86.7	2730	1410	1440	103	285	2120
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		32.9	4.21 J	203	87.1	108	3.88 J	3.7 J	71
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**140**	**14.3**	**712**	**206**	**442**	**12.7**	**11.4**	**64.1**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.35 J	0.699 U	6.66 J	5.46	2.16 J	0.434 U	2.43 J	27.5
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		25.2	3.59 J	132	35.3	78.7	2.13 J	3.85 J	45.2
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		18.6	3.42 J	85.5	48.5	52.4	2.87 J	10	68.2
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		24.5	2.36 J	125	28.9	81.5	2.17 J	3.53 J	12.2 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.07 J	1.32 J	12.4 J	8.23	6.65	0.804 J	4.03 J	46.2
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.46 J	0.891 J	18.1 J	3.79 J	9.17	0.964 J	6.84	5.59 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**0.558 J**	0.55 U	**2.92 J**	**2.53**	**1.54 J**	0.302 UJ	**1.66 J**	**10.6 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		26	3.53 J	144	44.6	78.3	2.62 J	5.25	61
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**39.9**	**4.11 J**	**164**	**28.3**	**113**	**3.6 J**	**8.01**	**13.6 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**0.842 J**	0.977 U	3.94 U	**0.672 J**	**3.4 J**	**2.2 J**	**2.9 J**	3.3 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.282 U	0.131 U	1.61 U	0.35 U	0.38 U	0.342 U	0.214 U	**1.12 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		1400	153	4920	2470 J	2590	183	500	3390
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		685 J	87.6 J	3630 J	1480 J	1970 J	80.1 J	166 J	1900 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		108 J	14.2 J	279 J	166 J	182 J	12 J	50.1 J	374 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		518	77.4	1290	1970	1180	163	132	2360
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6240 J	739	35700 J	14600 J	13800 J	962	2440	13800
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		195 J	24.5 J	807 J	200 J	535 J	24.1 J	85.2 J	403 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		4.9 J	0.55 U	5.93 J	9.77 J	8.65 J	0.798 J	3.1 J	44.5 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		8.33 J	0.977 U	34.1 J	10.1 J	22.8 J	12.2 J	36	67.2 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.282 U	0.564 J	1.61 U	0.44 J	2 J	0.342 U	0.905 J	4.48 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-040-MLW	SIB-040-OHW	SIB-041-MLW	SIB-041-OHW	SIB-042-MLW	SIB-042-OHW	SIB-043-OHW	SIB-043-TOB
					Sample ID	SIB-040-MLW-0-1-10242022	SIB-040-OHW-0-1-10242022	SIB-041-MLW-0-1-10242022	SIB-041-OHW-0-1-10242022	SIB-042-MLW-0-1-10242022	SIB-042-OHW-0-1-10242022	SIB-043-OHW-0-1-10242022	SIB-043-TOB-0-1-10242022
TOTAL HpCDFs	pg/g	NE	NE	NE		1020 J	147 J	4850 J	3200	2760	204 J	268 J	4330 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**48.2 J**	6.1 J	**228 J**	**76.9 J**	**138 J**	5.8 J	**13.2 J**	**88.3 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-040-MLW	SIB-040-OHW	SIB-041-MLW	SIB-041-OHW	SIB-042-MLW	SIB-042-OHW	SIB-043-OHW	SIB-043-TOB
					Sample ID	SIB-040-MLW-0-1-10242022	SIB-040-OHW-0-1-10242022	SIB-041-MLW-0-1-10242022	SIB-041-OHW-0-1-10242022	SIB-042-MLW-0-1-10242022	SIB-042-OHW-0-1-10242022	SIB-043-OHW-0-1-10242022	SIB-043-TOB-0-1-10242022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-040-MLW	SIB-040-OHW	SIB-041-MLW	SIB-041-OHW	SIB-042-MLW	SIB-042-OHW	SIB-043-OHW	SIB-043-TOB
					Sample ID	SIB-040-MLW-0-1-10242022	SIB-040-OHW-0-1-10242022	SIB-041-MLW-0-1-10242022	SIB-041-OHW-0-1-10242022	SIB-042-MLW-0-1-10242022	SIB-042-OHW-0-1-10242022	SIB-043-OHW-0-1-10242022	SIB-043-TOB-0-1-10242022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-040-MLW	SIB-040-OHW	SIB-041-MLW	SIB-041-OHW	SIB-042-MLW	SIB-042-OHW	SIB-043-OHW	SIB-043-TOB
					Sample ID	SIB-040-MLW-0-1-10242022	SIB-040-OHW-0-1-10242022	SIB-041-MLW-0-1-10242022	SIB-041-OHW-0-1-10242022	SIB-042-MLW-0-1-10242022	SIB-042-OHW-0-1-10242022	SIB-043-OHW-0-1-10242022	SIB-043-TOB-0-1-10242022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	3170 J	NA	NA	138000 J	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.4 U	1.9 U	23 U	2 U	26 U	2.2 U	20 U	20 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		5.2 U	4.1 U	49 U	4.3 U	55 U	4.6 U	730	42 U
ARSENIC	mg/kg	3	NE	NE		**4.35**	2.58	**9.44**	2.6	**5.75**	**6.44**	2.71	**11.4**
CADMIUM	mg/kg	0.51	NE	NE		0.09 J	0.08 J	0.18	0.08 J	0.16	0.26	0.35	0.14
COPPER	mg/kg	359	NE	NE		33.7 J	47.8 J	207 J	37 J	183 J	349 J	38.2 J	**836 J**
LEAD	mg/kg	196	NE	NE		15.3 J	21.3 J	130 J	17.8 J	46 J	46.9 J	60 J	26.9 J
ZINC	mg/kg	459	NE	NE		104	75.3	186	77.7	123	144	130	367
MERCURY	mg/kg	0.085	NE	NE		0.00639 UJ	0.0307 J	0.00449 UJ	0.0417 J	0.0207 J	0.00446 UJ	0.0777 J	0.00488 UJ
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-040-MLW	SIB-040-OHW	SIB-041-MLW	SIB-041-OHW	SIB-042-MLW	SIB-042-OHW	SIB-043-OHW	SIB-043-TOB
					Sample ID	SIB-040-MLW-0-1-10242022	SIB-040-OHW-0-1-10242022	SIB-041-MLW-0-1-10242022	SIB-041-OHW-0-1-10242022	SIB-042-MLW-0-1-10242022	SIB-042-OHW-0-1-10242022	SIB-043-OHW-0-1-10242022	SIB-043-TOB-0-1-10242022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	9.3 J	1.6 U	26.4	7.8 U	7.8 U	34 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		18.4 J	1.6 U	33.4 J	1.6 U	65.8	7.8 U	33.1	45.7 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		43.9	0.6 U	70.6 J	8.1 J	102	48.2	61.9	37 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**84.7**	1.6 U	**132**	**13.5**	**213**	**74.5**	**117**	**135**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		37 J	21 J	**180**	9.7 U	80 J	24 J	37 J	**840**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.49 U	0.39 U	0.45 U	0.41 U	0.53 U	0.43 U	0.42 U	0.4 U
ACENAPHTHENE	µg/kg	NE	NE	NE		0.4 U	0.31 U	0.36 U	0.33 U	0.43 U	0.35 U	0.34 U	210
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.37 U	0.29 U	0.34 U	0.31 U	0.4 U	0.32 U	17	0.3 U
ANTHRACENE	µg/kg	NE	NE	NE		0.39 U	21	0.35 U	0.32 U	0.42 U	0.34 U	14	390
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		69	56	34	0.26 U	14	8	87	2700
BENZO(A)PYRENE	µg/kg	NE	NE	NE		130	52	51	7.3	21	12	170	2900
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		170	49	86	0.42 U	38	0.44 U	170	3800
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		49	17	44	6.6	31	6.8	150	1400
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		62	19	27	3.7 J	10	5.3 J	54	1200
CHRYSENE	µg/kg	NE	NE	NE		98	61	62	8.2	25	14	130	3400
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		14	4.5 J	10	0.98 J	5.5 J	1.1 J	23	460
FLUORANTHENE	µg/kg	NE	NE	NE		73	110	75	14	31	44	190	4700
FLUORENE	µg/kg	NE	NE	NE		0.75 U	0.59 U	0.69 U	0.63 U	0.81 U	0.65 U	0.64 U	280
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		68	24	49	6.1	25	8.1	140	1800
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.62 U	0.49 U	0.57 U	0.52 U	0.67 U	0.54 U	0.53 U	0.51 U
PHENANTHRENE	µg/kg	NE	NE	NE		0.78 U	120	0.71 U	0.65 U	0.84 U	0.68 U	53	3500
PYRENE	µg/kg	NE	NE	NE		68	130	82	12	50	25	320	5200
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		803	665	522	60.8	253	126	1520	**31900**
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		175	69.7 J	78.2	9 J	34.3 J	14.8 J	233	**4210**
SOLIDS, PERCENT	%	NE	NE	NE		74.5	94.8	81.1	91.3	70.6	84.4	89.1	93.6
TOTAL ORGANIC CARBON	%	NE	NE	NE		0.21	0.07 J	0.74	0.29	1.2	0.2	1.82	0.97

Attachment C.1 (continued)
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					Location ID	SIB-044-OHW	SIB-044-TOB	SIB-045-OHW	SIB-045-TOB	SIB-046-OHW	SIB-046-TOB	SIB-047-OHW	SIB-047-TOB
					Sample ID	SIB-044-OHW-0-1-10242022	SIB-044-TOB-0-1-10242022	SIB-045-OHW-0-1-10242022	SIB-045-TOB-0-1-10242022	SIB-046-OHW-0-1-10242022	SIB-046-TOB-0-1-10242022	SIB-047-OHW-0-1-10242022	SIB-047-TOB-0-1-10242022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		92	**3700 J**	25 J	8.6 J	4.3	150	1.2	33
2,4'-DDD	µg/kg	NE	NE	NE		1.7 J	1.1 J	0.3 U	0.27 U	0.26 U	0.51 J	0.32 U	0.35 J
P,P'-DDD	µg/kg	NE	NE	NE		6 J	1.9 J	4.8 J	0.19 J	1 J	2.2 J	0.21 J	1.1 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		7.7	3	5	0.33	1.1	2.7	0.37	1.5
O,P'-DDE	µg/kg	NE	NE	NE		0.39 U	0.43 J	0.41 J	0.34 U	0.33 U	0.32 U	0.4 U	0.39 U
P,P'-DDE	µg/kg	NE	NE	NE		2.2 J	2.3 J	5.5 J	0.3 U	0.35 J	0.9 J	0.35 U	1.1 J
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		2.4	2.7	5.9	0.34 U	0.52	1.1	0.4 U	1.3
O,P'-DDT	µg/kg	NE	NE	NE		3.2 J	2.4 J	8.7 J	0.4 UJ	0.65 J	2.9 J	0.47 UJ	2.5 J
P,P'-DDT	µg/kg	NE	NE	NE		25 J	11 J	33	0.755 J	5.6 J	69 J	1.8 J	12 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		28.2	13.4	41.7	0.96	6.3	71.9	2	14.5
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**38.3**	**19.1**	**52.6**	1.6	**7.9**	**75.7**	2.8	**17.2**
ALDRIN	µg/kg	2	NE	NE		0.39 U	0.42 U	0.37 U	0.34 U	0.33 U	0.32 U	0.4 U	0.39 U
DIELDRIN	µg/kg	0.07	NE	NE		0.38 UJ	0.41 UJ	0.36 UJ	0.33 U	0.32 U	0.31 U	0.39 U	0.38 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 U	0.17 U	0.15 U	0.14 U	0.13 UJ	0.13 UJ	0.16 UJ	0.16 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.69 J	0.37 J	0.29 U	0.27 U	0.26 U	0.38 J	0.31 U	0.31 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		3.2 J	0.61 J	0.77 J	0.28 U	0.26 U	1.7 J	0.32 U	0.46 J
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.48 U	0.51 U	0.45 U	0.42 U	0.4 U	0.39 U	0.49 U	0.48 U
Oxychlordane	µg/kg	NE	NE	NE		0.64 U	0.69 U	0.61 U	0.56 U	0.53 U	0.52 U	0.65 U	0.64 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.54 J	0.42 J	0.27 U	0.25 U	0.24 U	0.37 J	0.29 U	0.35 J
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**5**	**2**	**1.6**	0.56 U	0.53 U	**2.9**	0.65 U	**1.5**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		114	683	219	21.15 J	132	198	85	169
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		854	4090	959	141.05 J	507	1180	307	1500
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.73 J	36.6	9.7	1.152 J	5.9	11.2	15.2	8.96
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**9.98**	**63.8 J**	**6.23**	**1.945 J**	**10**	**23.5**	**68.3**	**19.2**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6.22 J	48.2	4.62 J	1.097 J	3.15 J	14.9	3.22 J	18.6
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.43 J	33.4 J	2.69 J	1.237 J	3.53 J	9.09	11.6	10.2
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		21	119 J	23.2	2.97 J	13.8	36.2	8.7	53.5
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.69 J	19.1 J	1.79 UJ	0.672 J	2.07 J	5.89	5.3	5.39
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		11.1	81.7	8.89	1.56 J	5.84	22	3.67 J	34.7
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.65 J	12.1 J	1.8 J	1.715 J	8.09	22.8	195	8.17
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**3.73 J**	**24 J**	**2.56 J**	**0.859 J**	**2.03 J**	**8.14 J**	**4.02 J**	**10.3 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.95	43.8	4.65 J	1.41 J	3.94 J	10.8	10.3	12.7
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**6.16**	**29.5**	**4.38 J**	**2.16 J**	**5.04**	**10.4**	0.38 U	**12.5**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**3.02**	**8.55 J**	**1.21**	0.382 U	**2.38**	**2.95**	0.729 U	**4.38**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.46 J**	2 U	0.722 U	0.25 U	0.278 U	**0.782**	0.416 U	**1.14**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		1520	7140	1630	261.5	881	2050	642	2520
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		200 J	1090 J	203 J	35.25 J	171 J	351 J	371 J	301 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		131 J	718 J	103 J	20.6 J	74.2 J	222 J	63.3 J	325 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		220	2030	1080	92 J	665	463	172	183
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		7330 J	34500 J	9330 J	1548 J	4010 J	9500 J	2490	10300 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		97.1 J	360 J	52.9 J	39.75 J	85.6 J	173 J	857 J	168 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		21.4 J	120 J	10.7 J	6.42 J	11.7 J	41.4 J	21.4 J	52.9 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		35.1 J	92	27.2	17.85 J	44.7 J	47.1 J	241 J	64.6 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.62 J	11	0.722 U	2.065	2.67 J	3.46 J	2.39 J	10.6 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-044-OHW	SIB-044-TOB	SIB-045-OHW	SIB-045-TOB	SIB-046-OHW	SIB-046-TOB	SIB-047-OHW	SIB-047-TOB
					Sample ID	SIB-044-OHW-0-1-10242022	SIB-044-TOB-0-1-10242022	SIB-045-OHW-0-1-10242022	SIB-045-TOB-0-1-10242022	SIB-046-OHW-0-1-10242022	SIB-046-TOB-0-1-10242022	SIB-047-OHW-0-1-10242022	SIB-047-TOB-0-1-10242022
TOTAL HpCDFs	pg/g	NE	NE	NE		531 J	6230	952 J	96.95 J	672 J	1180 J	259 J	413 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**24.7 J**	**135 J**	**24.5 J**	4.9	**16.2 J**	**42.1 J**	**26.2 J**	**51.2 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-044-OHW	SIB-044-TOB	SIB-045-OHW	SIB-045-TOB	SIB-046-OHW	SIB-046-TOB	SIB-047-OHW	SIB-047-TOB
					Sample ID	SIB-044-OHW-0-1-10242022	SIB-044-TOB-0-1-10242022	SIB-045-OHW-0-1-10242022	SIB-045-TOB-0-1-10242022	SIB-046-OHW-0-1-10242022	SIB-046-TOB-0-1-10242022	SIB-047-OHW-0-1-10242022	SIB-047-TOB-0-1-10242022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-044-OHW	SIB-044-TOB	SIB-045-OHW	SIB-045-TOB	SIB-046-OHW	SIB-046-TOB	SIB-047-OHW	SIB-047-TOB
					Sample ID	SIB-044-OHW-0-1-10242022	SIB-044-TOB-0-1-10242022	SIB-045-OHW-0-1-10242022	SIB-045-TOB-0-1-10242022	SIB-046-OHW-0-1-10242022	SIB-046-TOB-0-1-10242022	SIB-047-OHW-0-1-10242022	SIB-047-TOB-0-1-10242022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-044-OHW	SIB-044-TOB	SIB-045-OHW	SIB-045-TOB	SIB-046-OHW	SIB-046-TOB	SIB-047-OHW	SIB-047-TOB
					Sample ID	SIB-044-OHW-0-1-10242022	SIB-044-TOB-0-1-10242022	SIB-045-OHW-0-1-10242022	SIB-045-TOB-0-1-10242022	SIB-046-OHW-0-1-10242022	SIB-046-TOB-0-1-10242022	SIB-047-OHW-0-1-10242022	SIB-047-TOB-0-1-10242022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		89800 J	NA	NA	10200 J	NA	NA	NA	140000 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		21 U	20 U	**1300**	2 U	21 UJ	20 UJ	20 UJ	19 UJ
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		3000	1400	4600	4.2 U	500 J	2000	42 U	770 J
ARSENIC	mg/kg	3	NE	NE		**16 J**	**13.3**	**615 J**	**6.56 J**	**4.08 J**	**6.73 J**	2.36 J	**5.1 J**
CADMIUM	mg/kg	0.51	NE	NE		0.48	**1.4**	**1.9**	0.145	0.22	**0.7**	0.24	0.38
COPPER	mg/kg	359	NE	NE		198 J	**581 J**	**1580 J**	34.95 J	50.9 J	156 J	29.2 J	122 J
LEAD	mg/kg	196	NE	NE		75.3 J	**296 J**	**852 J**	25.6 J	85 J	84 J	93.3 J	**304 J**
ZINC	mg/kg	459	NE	NE		410	**1390**	**3670**	96.45	176	446	118	237
MERCURY	mg/kg	0.085	NE	NE		0.0657 J	**0.189 J**	**1.23 J**	**0.127 J**	0.0486 J	0.0415 J	0.0293 J	**0.0947 J**
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	2.9 R	2.9 U	0.6 U	2.9 U	2.9 U	58.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	156 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-044-OHW	SIB-044-TOB	SIB-045-OHW	SIB-045-TOB	SIB-046-OHW	SIB-046-TOB	SIB-047-OHW	SIB-047-TOB
					Sample ID	SIB-044-OHW-0-1-10242022	SIB-044-TOB-0-1-10242022	SIB-045-OHW-0-1-10242022	SIB-045-TOB-0-1-10242022	SIB-046-OHW-0-1-10242022	SIB-046-TOB-0-1-10242022	SIB-047-OHW-0-1-10242022	SIB-047-TOB-0-1-10242022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	156 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	156 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	156 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	7.8 R	40.1 J	1.6 U	19.6 J	20.9	156 U	27.2
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		33.7 J	90.2 J	111 J	4.9	31.7	23.3	156 U	77
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		64.7 J	207 J	94.7 J	6.45	37.1	101	2940 J	85.8
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	2.9 R	2.9 U	0.6 U	2.9 U	2.9 U	58.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**121**	**313 A**	**264**	**16**	**107**	**164**	**3470**	**209**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		**710 J**	**1500**	**240 J**	31 J	86 J	**240**	43 J	**230**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.42 U	0.39 U	0.38 U	0.39 U	0.42 U	0.39 U	0.4 U	0.38 U
ACENAPHTHENE	µg/kg	NE	NE	NE		0.34 U	0.32 U	580	0.32 U	0.34 U	0.32 U	0.32 U	0.31 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.32 U	8.1	130	8.3	0.32 U	0.3 U	23	0.29 U
ANTHRACENE	µg/kg	NE	NE	NE		32	14	3200	0.31	0.33 U	9.8	19	9.9
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		100	150	18000	30	39	61	80	53
BENZO(A)PYRENE	µg/kg	NE	NE	NE		150	220	14000	45	57	90	140	82
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		180	410	23000	48	85	140	190	140
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		160	190	6900	37.5	38	71	130	56
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		61	130	8100	16.5	31	45	60	44
CHRYSENE	µg/kg	NE	NE	NE		240	290	19000	38	70	110	140	110
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		35	48	2500	4.25 J	7.1	14	15	12
FLUORANTHENE	µg/kg	NE	NE	NE		190	270	38000	61	97	180	200	160
FLUORENE	µg/kg	NE	NE	NE		0.64 U	0.6 U	590	0.6 U	0.65 U	0.61 U	0.61 U	0.58 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		130	240	9300	32	43	77	140	71
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.53 U	0.5 U	0.49 U	0.49 U	0.53 U	0.5 U	0.5 U	0.48 U
PHENANTHRENE	µg/kg	NE	NE	NE		92	130	11000	0.62	41	67	45	82
PYRENE	µg/kg	NE	NE	NE		220	300	33000	76	110	180	280	160
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		1590	2400	**187000**	398	619	1050	1460	981
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		227	350	**21600**	60.5	81.2	132	197	121
SOLIDS, PERCENT	%	NE	NE	NE		86.6	93.2	94.4	94.35	88.4	89.3	92	95.3
TOTAL ORGANIC CARBON	%	NE	NE	NE		2.73	2.65	1.61	0.565 J	1.13	1.75	1.12	1.48

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-048-MLW	SIB-048-OHW	SIB-048-TOB	SIB-049-OHW	SIB-049-OHW	SIB-049-TOB	SIB-050-OHW	SIB-050-TOB
					Sample ID	SIB-048-MLW-0-1-10242022	SIB-048-OHW-0-1-10242022	SIB-048-TOB-0-1-10242022	SIB-049-OHW-0-1-10202022	SIB-049-OHW-1-2-10202022	SIB-049-TOB-0-1-10202022	SIB-050-OHW-0-1-10202022	SIB-050-TOB-0-1-10202022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		3.4	5.7	14	1.1 J	NA	290	4	200
2,4'-DDD	µg/kg	NE	NE	NE		0.34 U	0.27 U	0.26 U	0.23 U	NA	0.3 U	0.26 U	0.33 U
P,P'-DDD	µg/kg	NE	NE	NE		1.4 J	0.15 U	0.54 J	0.14 J	NA	0.74 J	0.26 J	0.57 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		1.6	0.27 U	0.67	0.26	NA	0.89	0.39	0.74
O,P'-DDE	µg/kg	NE	NE	NE		0.43 U	0.33 U	0.33 U	0.29 U	NA	0.37 U	0.32 U	0.42 U
P,P'-DDE	µg/kg	NE	NE	NE		0.79 J	0.3 U	0.29 U	0.26 U	NA	0.96 J	0.28 U	1.2 J
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		1	0.33 U	0.33 U	0.29 U	NA	1.1	0.32 U	1.4
O,P'-DDT	µg/kg	NE	NE	NE		2.2 J	0.4 UJ	0.73 J	0.35 UJ	NA	1 J	0.38 UJ	2.3 J
P,P'-DDT	µg/kg	NE	NE	NE		10 J	1.6 J	11 J	1.575 J	NA	10 J	3.4 J	20 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		12.2	1.8	11.7	1.8	NA	11	3.6	22.3
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**14.8**	2.3	**12.7**	2.3	NA	**13**	4.3	**24.4**
ALDRIN	µg/kg	2	NE	NE		0.43 U	0.33 U	0.33 U	0.29 U	NA	0.37 U	0.32 U	0.42 U
DIELDRIN	µg/kg	0.07	NE	NE		0.42 U	0.33 U	**0.38 J**	0.28 U	NA	0.36 U	0.31 U	**0.94 J**
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.17 UJ	0.13 UJ	0.13 UJ	0.12 UJ	NA	0.15 UJ	0.13 UJ	0.17 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.34 U	0.26 U	0.29 J	0.23 U	NA	0.31 J	0.25 U	0.58 J
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.45 J	0.27 U	0.39 J	0.24 U	NA	0.42 J	0.26 U	0.93 J
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.53 U	0.41 U	0.4 U	0.36 U	NA	0.45 U	0.39 U	0.51 U
Oxychlordane	µg/kg	NE	NE	NE		0.71 U	0.55 U	0.54 U	0.48 U	NA	0.6 U	0.52 U	0.69 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.32 U	0.25 U	0.32 J	0.21 U	NA	0.43 J	0.24 U	0.71 J
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**1.4**	0.55 U	**1.5**	0.48 U	NA	**1.7**	0.52 U	**2.8**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		86.8	146	60.6	107.4 J	7.06	317	28.4	69
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		520	1280	459	172.1 J	9.81	2310	204	716
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.15 J	7.88	4.88 J	11.105 J	0.455 J	23.1 J	2.01 J	3.96 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**14.3**	**24.7**	**11.4**	**29.88 J**	0.166 U	**56.5**	**4.28 J**	**7.96**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6.33	30.9	4.71 J	0.957 J	0.182 U	31.1	1.75 J	9.15
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.93 J	11.3	2.91 J	4.975 J	0.167 U	17.7 J	1.42 J	3.78 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		23.4	101	11.7	6.565 J	0.515 J	77.5	5.12	23.4
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.27 J	7.37	2.03 J	4.435 J	0.242 U	10.1 J	1.03 J	1.81 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		11.2	61.3	7.62	2.79 J	0.181 UJ	51.7	2.89 J	15.6
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.25	9.61	7.47	3.01 J	0.3 U	24.2 J	2.97 J	10.4
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**5.08**	**34.9**	**2.68 J**	0.198 UJ	0.224 U	**15.1**	0.292 U	**4.9**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.87	13	4.25 J	6.525 J	0.181 UJ	22.8 J	1.86 J	5.29
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**8.74 J**	**11.9**	**3.88 J**	**3.965 J**	0.282 U	**17 J**	**2.4 J**	**4.47 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.82**	**2.49**	**1.79 1.35 J**	**0.909 J**	0.342 U	**5.37**	**1.14**	**2.84**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.648 J**	**2.6**	0.441 U	0.22 U	0.272 U	**1.45 J**	0.26 U	0.524 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		932	2110 J	835	291.55	17.6	3960	409	1260
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		222 J	359 J	113 J	212.55 J	9.98 J	579 J	56.8 J	117 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		126 J	461 J	86.2 J	24.83 J	3.4 J	502 J	41.3 J	165 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		106	99.8	65.4	92.95 J	6.92 J	333	58.1	82.7
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3560	6020 J	3520	1754.5 J	80.2	16300	1800	5320 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		104 J	171 J	55.5 J	33.1 J	4.38 J	219 J	39.1 J	89 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		22.6 J	94.4 J	14.1 J	3.323 J	0.344 J	75.5 J	7.39 J	29.4 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		18.9 J	16.8 J	16.2 J	3.677 J	0.931 J	59.2 J	9.21 J	35.9 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.35 J	7.65 J	0.765 J	0.549 J	0.36 J	9.25 J	0.456 J	4.31 J

Attachment C.1 (continued)
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					Location ID	SIB-048-MLW	SIB-048-OHW	SIB-048-TOB	SIB-049-OHW	SIB-049-OHW	SIB-049-TOB	SIB-050-OHW	SIB-050-TOB
					Sample ID	SIB-048-MLW-0-1-10242022	SIB-048-OHW-0-1-10242022	SIB-048-TOB-0-1-10242022	SIB-049-OHW-0-1-10202022	SIB-049-OHW-1-2-10202022	SIB-049-TOB-0-1-10202022	SIB-050-OHW-0-1-10202022	SIB-050-TOB-0-1-10202022
TOTAL HpCDFs	pg/g	NE	NE	NE		281 J	385 J	185 J	373 J	17.1 J	878 J	103 J	168 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**22.9 J**	**82.7 J**	**15.4 J**	**10.7**	0.62 J	**81.1 J**	5.9 J	**23.3 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	15.6	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	3.76	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	14.6	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.63	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.31	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	70.2	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	24.1	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.6	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	12.3	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.4	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	15.8	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	12.8	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	27.3	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.5	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.1	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	28.8	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.28	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.64	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.7	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	16.7	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.3	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.94	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.68	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.12	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	53.8	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.42	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.63	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.2	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.58	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	47.3	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.82	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.84	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.8	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.14	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.78	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.77	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	11.8	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.69	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	71.7	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.8	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.77	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.69	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.08	NA	NA	NA

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					Location ID	SIB-048-MLW	SIB-048-OHW	SIB-048-TOB	SIB-049-OHW	SIB-049-OHW	SIB-049-TOB	SIB-050-OHW	SIB-050-TOB
					Sample ID	SIB-048-MLW-0-1-10242022	SIB-048-OHW-0-1-10242022	SIB-048-TOB-0-1-10242022	SIB-049-OHW-0-1-10202022	SIB-049-OHW-1-2-10202022	SIB-049-TOB-0-1-10202022	SIB-050-OHW-0-1-10202022	SIB-050-TOB-0-1-10202022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.95	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.37	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.71	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.3	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.4	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.26	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.2	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.89	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.08	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.74	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.6	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.74	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.62	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.95	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	42.3	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.01	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.48	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.33	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.98	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.17	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.98	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.17	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.74	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.37	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.45	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.25	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.65	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.18	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	47.5	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	11	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	21.8	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	25.8	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.75	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.16	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.53	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	41.1	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.29	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.4	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	23.4	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.45	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.23	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	6.2	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	5.43	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.4	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.69	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.68	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.17	NA	NA	NA

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Sample ID					SIB-048-MLW-0-1-10242022	SIB-048-OHW-0-1-10242022	SIB-048-TOB-0-1-10242022	SIB-049-OHW-0-1-10202022	SIB-049-OHW-1-2-10202022	SIB-049-TOB-0-1-10202022	SIB-050-OHW-0-1-10202022	SIB-050-TOB-0-1-10202022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	8.9	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	5.75	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	4.78	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	4.41	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	5.4	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	4.73	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	4.39	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	7.38	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	2.38	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	4.55	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	4.69	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	2.01	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.88	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.51	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.66	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	4.84	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.11	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	11.8	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.23	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	2.91	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.23	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	2.91	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.74	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.41	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	8.94	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.49	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.29	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	4.65	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.98	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE	NA	NA	NA	NA	711	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	8.62	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	5.83	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	6.54	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	9.73	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	6.5	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	7.46	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	2.89	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	2.91	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	5.49	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	6.64	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	2.8	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	7.64	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	2.3	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.88	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.47	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.82	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	3.76	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-048-MLW	SIB-048-OHW	SIB-048-TOB	SIB-049-OHW	SIB-049-OHW	SIB-049-TOB	SIB-050-OHW	SIB-050-TOB
					Sample ID	SIB-048-MLW-0-1-10242022	SIB-048-OHW-0-1-10242022	SIB-048-TOB-0-1-10242022	SIB-049-OHW-0-1-10202022	SIB-049-OHW-1-2-10202022	SIB-049-TOB-0-1-10202022	SIB-050-OHW-0-1-10202022	SIB-050-TOB-0-1-10202022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.02	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.76	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.15	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.68	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.43	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.15	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.9	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.6	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.04	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.17	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.62	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.27	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.35	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.76	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.1	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.43	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.76	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.3	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.27	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.23	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.23	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.84	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.64	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.95	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.41	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.03	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.56	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.49	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.89	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.03	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.27	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.17	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.21	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.1	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.23	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	1850 J	1020 J	NA	NA	633000 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		21 UJ	2 UJ	19 UJ	1.9 UJ	NA	19 UJ	19 UJ	1.9 UJ
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		1400	4.3 U	480 J	450 J	NA	750 J	510 J	170
ARSENIC	mg/kg	3	NE	NE		2.56 J	2.86 J	**4.73 J**	2.485 J	2.32 J	**8.88 J**	**7.63 J**	**5.66 J**
CADMIUM	mg/kg	0.51	NE	NE		0.2	0.13	0.17	0.09 J	0.05 J	0.39	0.26	0.42
COPPER	mg/kg	359	NE	NE		32 J	33.2 J	32.8 J	22.7 J	20.3	220 J	40.1 J	66.4 J
LEAD	mg/kg	196	NE	NE		51.5 J	40 J	58.5 J	28.6 J	21.7 J	**345 J**	67.1 J	84.5 J
ZINC	mg/kg	459	NE	NE		123	118	126	69.15	54.3	453	121	187
MERCURY	mg/kg	0.085	NE	NE		0.0283 J	0.0405 J	0.047 J	**0.137 J**	**0.122 J**	**0.0896 J**	0.0482 J	0.0526 J
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	7.8 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-048-MLW	SIB-048-OHW	SIB-048-TOB	SIB-049-OHW	SIB-049-OHW	SIB-049-TOB	SIB-050-OHW	SIB-050-TOB
					Sample ID	SIB-048-MLW-0-1-10242022	SIB-048-OHW-0-1-10242022	SIB-048-TOB-0-1-10242022	SIB-049-OHW-0-1-10202022	SIB-049-OHW-1-2-10202022	SIB-049-TOB-0-1-10202022	SIB-050-OHW-0-1-10202022	SIB-050-TOB-0-1-10202022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		10.3 J	15.8 J	7.8 U	1.6 U	1.6 U	63	7.8 U	16.7 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		9.9 J	17.6 J	24.8	4.7 J	1.6 U	166	11.1 J	49.2
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		37.4	51.7 J	35.2	7.55 J	0.6 U	131	34.7	55.5
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U	2.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**76.1**	**104**	**82.4**	**16.9**	1.6 U	**379**	**68.2**	**140**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		47 J	47 J	96 J	29.5 J	NA	**740**	40 J	**190**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.43 U	0.41 U	0.39 U	0.37 U	NA	0.37 U	0.39 U	0.39 U
ACENAPHTHENE	µg/kg	NE	NE	NE		0.35 U	0.33 U	0.32 U	1.45 J	NA	10	2.8 J	8.6
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.33 U	0.31 U	12	2.35 J	NA	7.8	92	5.5
ANTHRACENE	µg/kg	NE	NE	NE		0.34 U	0.32 U	9.1	2.85 J	NA	18	40	13
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		31	13	41	9.45	NA	71	390	60
BENZO(A)PYRENE	µg/kg	NE	NE	NE		35	24	78	19 J	NA	110	750	84
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		82	37	98	21 J	NA	170	700	120
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		35	13	67	15.35 J	NA	89	580	52
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		27	12	36	6.8 J	NA	54	230	46
CHRYSENE	µg/kg	NE	NE	NE		84	33	68	11	NA	95	510	83
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		9.2	2.4 J	7.8	3.2 J	NA	16	58	9
FLUORANTHENE	µg/kg	NE	NE	NE		180	65	100	21 J	NA	190	470	140
FLUORENE	µg/kg	NE	NE	NE		0.67 U	0.62 U	0.6 U	1.75 J	NA	9	2.6 J	7.5
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		25	15	72	11.8	NA	84	620	57
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.55 U	0.51 U	0.49 U	0.47 U	NA	0.47 U	0.5 U	0.49 U
PHENANTHRENE	µg/kg	NE	NE	NE		52	0.64 U	42	11.95	NA	110	21	76
PYRENE	µg/kg	NE	NE	NE		150	56	120	28 J	NA	210	870	140
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		712	272	752	167	NA	1240	5340	902
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		58.4	33.1 J	107	26.5	NA	159	**982**	117
SOLIDS, PERCENT	%	NE	NE	NE		84.8	91.2	94	96.8	NA	96.9	94.7	94.7
TOTAL ORGANIC CARBON	%	NE	NE	NE		1.08	0.75	1.68	0.655 J	NA	1.97	1.47	1.74

Attachment C.1 (continued)
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					Location ID	SIB-051-OHW	SIB-051-TOB	SIB-052-OHW	SIB-052-TOB	SIB-053-MLW	SIB-053-OHW	SIB-053-TOB	SIB-054-OHW
					Sample ID	SIB-051-OHW-0-1-10202022	SIB-051-TOB-0-1-10202022	SIB-052-OHW-0-1-10202022	SIB-052-TOB-0-1-10202022	SIB-053-MLW-0-1-10202022	SIB-053-OHW-0-1-10202022	SIB-053-TOB-0-1-10202022	SIB-054-OHW-0-1-10192022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		25 J	9	1.4	350	6.2 J	2.3	58	0.43 U
2,4'-DDD	µg/kg	NE	NE	NE		0.27 U	0.24 U	0.26 U	0.26 U	0.31 U	0.3 U	0.38 J	0.32 U
P,P'-DDD	µg/kg	NE	NE	NE		0.45 J	0.18 J	0.7 J	0.52 J	1.4 J	0.38 J	1.1 J	0.18 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.59	0.3	0.83	0.65	1.6	0.53	1.5	0.32 U
O,P'-DDE	µg/kg	NE	NE	NE		0.34 U	0.3 U	0.32 U	0.33 U	0.38 U	0.37 U	0.33 U	0.39 U
P,P'-DDE	µg/kg	NE	NE	NE		0.64 J	0.27 U	0.64 J	0.7 J	0.62 J	0.47 J	0.64 J	0.35 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.81	0.3 U	0.8	0.87	0.81	0.66	0.81	0.39 U
O,P'-DDT	µg/kg	NE	NE	NE		1 J	0.36 UJ	1.2 J	0.66 J	0.89 J	0.44 UJ	0.67 J	0.47 U
P,P'-DDT	µg/kg	NE	NE	NE		6.7 J	1.7 J	8.9 J	5.5 J	6.3 J	4.9 J	4.6 J	0.45 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		7.7	1.9	10.1	6.2	7.2	5.1	5.3	0.69
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**9.1**	2.5	**11.7**	**7.7**	**9.6**	**6.3**	**7.6**	1.3
ALDRIN	µg/kg	2	NE	NE		0.34 U	0.3 U	0.32 U	0.33 U	0.38 U	0.37 U	0.33 U	0.39 U
DIELDRIN	µg/kg	0.07	NE	NE		0.33 U	0.29 U	0.31 U	0.32 U	0.38 U	0.37 U	0.32 U	0.38 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.14 UJ	0.12 UJ	0.13 UJ	0.13 UJ	0.15 UJ	0.15 UJ	0.13 UJ	0.16 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.27 U	0.24 U	0.25 U	0.26 U	3.8 J	0.3 U	0.3 J	0.31 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.28 U	0.25 U	0.29 J	0.27 U	5.2 J	0.3 U	0.53 J	0.32 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.42 U	0.37 U	0.4 U	0.4 U	0.47 U	0.46 U	0.4 U	0.48 U
Oxychlordane	µg/kg	NE	NE	NE		0.56 U	0.49 U	0.53 U	0.54 U	0.63 U	0.61 U	0.54 U	0.65 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.25 U	0.22 U	0.24 U	0.24 U	1.5 J	0.28 U	0.41 J	0.29 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.56 U	0.49 U	1	0.54 U	**11.1**	0.61 U	**1.7**	0.65 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		108	34.1	89.2	290	73.6 J	40.9	134	9.96
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1360	306	413	3830	466 J	197	1110	60.6
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		9.96	2.46 J	5.25	14.9 J	4.02 J	2.67 J	9.08	1.13 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**14.6**	**4.31 J**	**8.69**	**21.3 J**	**12.3**	**10.7**	**26.5**	**1.83 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		7.27	3 J	3.44 J	14.8 J	4.26 J	2.33 J	15.6	1.18 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.95 J	1.87 J	2.56 J	12.7 J	4.94 J	2.87 J	12.8	0.973 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		33.6	9.73	11.9	128	17.4	7.11	38.7	2.33 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.04 J	1.55 J	2.09 J	14.3 J	4.4 J	2.22 J	5.62	0.955 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		11.5	5.54	5.85	32.9	7.75	3.88 J	26.9	1.57 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.18	2.36 J	3.21 J	9.85 J	4.43 J	3.8 J	12.1	0.58 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**3.06 J**	**1.77 J**	**1.97 J**	**8.11 J**	**2.81 J**	**1.76 J**	**9.99**	0.618 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.34	2.69 J	4.06 J	23.2 J	6.21	3.29 J	15.3	0.973 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**5.55**	**2.06 J**	**3.6 J**	**16 J**	**9.84 J**	**5.21**	**18.5**	**1.31 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.36**	**0.965 J**	**1.57**	**3.14 J**	**3.64**	**1.8 J**	**8.07**	0.722 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.356 U	0.34 U	0.314 U	1.83 U	**0.516**	**0.448 J**	**1.17**	0.374 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		2190	551	758	7280	844	380	1910	118
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		171 J	59.7 J	128 J	686 J	203 J	92.7 J	277 J	21.7 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		158 J	60.4 J	79.7 J	522 J	93.8 J	49.2 J	275 J	15.4 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		259	41.5	278	278	67.9	70.6	151	16.2 J
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		11300 J	2680	2940	42300 J	3430 J	1550	7440 J	398
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		68.7 J	28.1 J	54.4 J	201 J	119 J	57.7 J	212 J	11.8 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		20.3 J	9.09 J	9.9 J	57.4 J	17.6 J	11 J	71.3 J	0.618 U
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		19.8 J	11.2 J	15.6 J	35.6 J	32.3	14.1 J	130	6.91
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.7 J	1.45 J	1.68 J	7	5.86 J	1.84 J	25.4 J	0.374 U

Attachment C.1 (continued)
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					Location ID	SIB-051-OHW	SIB-051-TOB	SIB-052-OHW	SIB-052-TOB	SIB-053-MLW	SIB-053-OHW	SIB-053-TOB	SIB-054-OHW
					Sample ID	SIB-051-OHW-0-1-10202022	SIB-051-TOB-0-1-10202022	SIB-052-OHW-0-1-10202022	SIB-052-TOB-0-1-10202022	SIB-053-MLW-0-1-10202022	SIB-053-OHW-0-1-10202022	SIB-053-TOB-0-1-10202022	SIB-054-OHW-0-1-10192022
TOTAL HpCDFs	pg/g	NE	NE	NE		353 J	96.2 J	354 J	913 J	227 J	135 J	342 J	31.7
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**31.5 J**	9.8 J	**13.4 J**	**93.3 J**	**19 J**	**10.2 J**	**46.8 J**	2.8 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-051-OHW	SIB-051-TOB	SIB-052-OHW	SIB-052-TOB	SIB-053-MLW	SIB-053-OHW	SIB-053-TOB	SIB-054-OHW
					Sample ID	SIB-051-OHW-0-1-10202022	SIB-051-TOB-0-1-10202022	SIB-052-OHW-0-1-10202022	SIB-052-TOB-0-1-10202022	SIB-053-MLW-0-1-10202022	SIB-053-OHW-0-1-10202022	SIB-053-TOB-0-1-10202022	SIB-054-OHW-0-1-10192022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-051-OHW	SIB-051-TOB	SIB-052-OHW	SIB-052-TOB	SIB-053-MLW	SIB-053-OHW	SIB-053-TOB	SIB-054-OHW
					Sample ID	SIB-051-OHW-0-1-10202022	SIB-051-TOB-0-1-10202022	SIB-052-OHW-0-1-10202022	SIB-052-TOB-0-1-10202022	SIB-053-MLW-0-1-10202022	SIB-053-OHW-0-1-10202022	SIB-053-TOB-0-1-10202022	SIB-054-OHW-0-1-10192022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-051-OHW	SIB-051-TOB	SIB-052-OHW	SIB-052-TOB	SIB-053-MLW	SIB-053-OHW	SIB-053-TOB	SIB-054-OHW
					Sample ID	SIB-051-OHW-0-1-10202022	SIB-051-TOB-0-1-10202022	SIB-052-OHW-0-1-10202022	SIB-052-TOB-0-1-10202022	SIB-053-MLW-0-1-10202022	SIB-053-OHW-0-1-10202022	SIB-053-TOB-0-1-10202022	SIB-054-OHW-0-1-10192022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	69600 J	NA	NA	NA	8130 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		19 UJ	1.9 UJ	19 UJ	19 UJ	21 UJ	19 UJ	19 UJ	1.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		1100	4 U	1900	41 U	1800	530 J	40 U	4 UJ
ARSENIC	mg/kg	3	NE	NE		**3.15 J**	2.11 J	2.59 J	**4.82 J**	**4.17 J**	**3.15**	**7.48**	2.1
CADMIUM	mg/kg	0.51	NE	NE		0.22	0.15	0.32	0.36	0.21	0.16	**0.51**	0.07 J
COPPER	mg/kg	359	NE	NE		52.5 J	44.6 J	21.6 J	142 J	36.2 J	32.2	104	25.8 J
LEAD	mg/kg	196	NE	NE		84.3 J	36.5 J	136 J	192 J	84.1 J	54.8	**216**	8.84 J
ZINC	mg/kg	459	NE	NE		162	85.9	118	375	119	87.2	298	51.9
MERCURY	mg/kg	0.085	NE	NE		0.0596 J	0.0265 J	0.0767 J	**1.7 J**	0.0364 J	**0.0901**	**0.173**	0.0237
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-051-OHW	SIB-051-TOB	SIB-052-OHW	SIB-052-TOB	SIB-053-MLW	SIB-053-OHW	SIB-053-TOB	SIB-054-OHW
					Sample ID	SIB-051-OHW-0-1-10202022	SIB-051-TOB-0-1-10202022	SIB-052-OHW-0-1-10202022	SIB-052-TOB-0-1-10202022	SIB-053-MLW-0-1-10202022	SIB-053-OHW-0-1-10202022	SIB-053-TOB-0-1-10202022	SIB-054-OHW-0-1-10192022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		10.2 J	1.6 U	12 J	11.2 J	7.8 U	7.8 U	29	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		20.7	16.2	21.3	25.5	66 J	23.3	62.4	1.6 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		47.9	15.4	31.7	46.4	56.9 J	23.1	68.8	3.3 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**97.3**	**36.2**	**83.5**	**102**	**145**	**68.8**	**179**	**9.5**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		**180**	95 J	71 J	**230**	38 J	62 J	**300**	8.9 UJ
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	0.37 U	0.38 U	0.37 U	0.42 U	0.38 U	0.38 U	0.37 U
ACENAPHTHENE	µg/kg	NE	NE	NE		3.5 J	1.3 J	2.1 J	4 J	2.3 J	1.4 J	3.8 J	1 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		8.6	0.87 J	2.4 J	5.8	5 J	1.8 J	2.5 J	0.35 J
ANTHRACENE	µg/kg	NE	NE	NE		16	2.7 J	5.8	12	8.7	2.8 J	6.2	0.72 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		65	18	30	53	26	13	36	0.23 U
BENZO(A)PYRENE	µg/kg	NE	NE	NE		100	31	54	75	40	27	61	5.8
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		230	49	73	110	72	38	98	5.3
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		81	20	63	57	79	24	46	3.1 J
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		74	16	17	35	20	10	28	1.7 J
CHRYSENE	µg/kg	NE	NE	NE		99	37	40	66	40	22	50	4.7 J
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		22	3.5 J	17	11	13	0.24 U	9.7	0.51 J
FLUORANTHENE	µg/kg	NE	NE	NE		120	49	56	130	75	41	84	7.4
FLUORENE	µg/kg	NE	NE	NE		4.5 J	0.91 J	1.8 J	3.6 J	0.65 U	2.4 J	2.5 J	1.2 J
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		100	24	43	61	45	20	49	3.1 J
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.49 U	0.47 U	0.49 U	0.47 U	0.54 U	0.49 U	0.48 U	0.47 U
PHENANTHRENE	µg/kg	NE	NE	NE		38	18	22	70	29	15	38	6.2
PYRENE	µg/kg	NE	NE	NE		140	50	64	150	74	44	91	5.7
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		1100	322	492	844	530	263	606	47.3
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		162	43.8 J	85.8	109	67.5	34.3	89.3	7.2 J
SOLIDS, PERCENT	%	NE	NE	NE		93.1	97.2	94.8	94.3	87.9	94.6	98.1	99.7
TOTAL ORGANIC CARBON	%	NE	NE	NE		3.07	0.91	2.32	2.79	1.37	2.17	1.55	0.72

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-054-TOB	SIB-055-OHW	SIB-055-TOB	SIB-056-MLW	SIB-056-OHW	SIB-056-TOB	SIB-057-MLW	SIB-057-OHW
					Sample ID	SIB-054-TOB-0-1-10192022	SIB-055-OHW-0-1-10192022	SIB-055-TOB-0-1-10192022	SIB-056-MLW-0-1-10192022	SIB-056-OHW-0-1-10192022	SIB-056-TOB-0-1-10192022	SIB-057-MLW-0-1-10192022	SIB-057-OHW-0-1-10192022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		1300 J	1.2	120	16	3.2	15	4.3 J	21 J
2,4'-DDD	µg/kg	NE	NE	NE		0.31 U	0.26 U	0.28 U	0.29 U	0.26 U	0.43 J	0.32 U	0.32 U
P,P'-DDD	µg/kg	NE	NE	NE		0.36 J	0.15 U	0.16 U	0.16 U	0.15 U	1	0.18 U	0.58
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.52	0.26 U	0.28 U	0.29 U	0.26 U	1.4	0.32 U	0.74
O,P'-DDE	µg/kg	NE	NE	NE		0.39 U	0.33 U	0.35 U	0.36 U	0.33 U	0.4 J	0.41 U	0.4 U
P,P'-DDE	µg/kg	NE	NE	NE		0.59	0.29 U	0.37 J	0.43 J	0.29 U	2.4	0.67 J	0.74
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.79	0.33 U	0.55	0.61	0.33 U	2.8	0.88	0.94
O,P'-DDT	µg/kg	NE	NE	NE		0.46 U	0.39 U	0.51	0.43 U	0.39 U	3.8	0.48 U	0.51
P,P'-DDT	µg/kg	NE	NE	NE		1.5	0.2 U	1.7	1.9	0.68	14	1.6 J	3.2
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		1.7	0.39 U	2.2	2.1	0.88	17.8	1.8	3.7
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		3	0.39 U	3	3	1.4	**22**	3	5.4
ALDRIN	µg/kg	2	NE	NE		0.39 U	0.33 U	0.35 U	0.36 U	0.33 U	0.34 U	0.41 U	0.4 U
DIELDRIN	µg/kg	0.07	NE	NE		0.38 U	0.32 U	0.34 U	0.35 U	0.32 U	0.33 U	0.4 U	0.39 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 UJ	0.13 UJ	0.14 UJ	0.15 UJ	0.13 UJ	0.14 UJ	0.16 UJ	0.16 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.31 U	0.26 U	0.28 U	5	0.26 U	0.27 U	0.32 U	0.31 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.32 U	0.26 U	0.29 U	6.2	0.27 U	0.31 J	0.43 J	0.32 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.48 U	0.4 U	0.43 U	0.85	0.4 U	0.42 U	0.5 U	0.48 U
Oxychlordane	µg/kg	NE	NE	NE		0.64 U	0.53 U	0.58 U	0.59 U	0.54 U	0.56 U	0.67 U	0.65 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.3 J	0.24 U	0.26 U	3.5	0.24 U	0.25 U	0.3 U	0.29 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		1.2	0.53 U	0.58 U	**15.8**	0.54 U	1.1	1.3	0.65 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		134	15.5	78.2	53.5	83.7	270	153	31.8
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		865	72.5	480	401	504	1040	1010	282
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.96	1.23 J	5.22 J	4.53 J	6.96	16	15.2	2.51 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**17.3**	**3.62 J**	**15.6**	**8.73 J**	**22.5**	**41.3**	**12.3**	**19.8**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		15.1	1.21 J	8.5	5.66	2.86 J	10	5.67	7.64
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		8.74	1.14 J	5.67	2.98 J	5.18	16.3	5.22 J	2.96 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		35	3.09 J	18.9	14.8	13	46.9	24.9	11
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.35	0.777 J	3.33 J	2.44 J	5.34	13	6.1	1.44 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		22.5	1.36 J	13.5	8.42	4.53 J	16.4	11.1	9.57
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.78 J	0.979 J	11.2	1.43 J	1.43 J	19.6	4.09 J	2.83 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**9.45 J**	**0.865 J**	**4.9 J**	**3.26**	**1.46 J**	**6.11 J**	**2.57**	**4.22 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		11.5	1.38 J	7.18 J	3.95 J	6.61	22.8	7.28	4.01 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**11.4**	**1.83 J**	**7.13**	**4.56 J**	**8.75**	**23.2**	**5.82**	**4.44 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**4.69**	0.643 U	**2.34**	**1.44**	0.785 U	**3.65 J**	**2.05**	**2.47 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.951 J**	0.189 U	**0.618 J**	**0.502**	0.177 U	**0.504 J**	0.41 U	0.414 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		1510	130	841	794	1090	1680	1700	608
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		269 J	32.7 J	171 J	109 J	195 J	631 J	194 J	93.1 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		224 J	19.8 J	130 J	107 J	89.4 J	189 J	130 J	137
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		132	13.6	74.3	85.2	137	187	396	52.8
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5660 J	502	3260	2830	3760	5990 J	9260 J	1590
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		151 J	16.1 J	112 J	54.1 J	72.3 J	287 J	60.3 J	204 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		40.1 J	3.48 J	22.2 J	18.8 J	7.85 J	19.3 J	22 J	32.7 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		69.7	2.67 J	37.3 J	16.5 J	6.87 J	66.7	22.6	49.7
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		9.11 J	0.189 U	3.7 J	2.89 J	0.177 U	3.89 J	11.6 J	6.24 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-054-TOB	SIB-055-OHW	SIB-055-TOB	SIB-056-MLW	SIB-056-OHW	SIB-056-TOB	SIB-057-MLW	SIB-057-OHW
					Sample ID	SIB-054-TOB-0-1-10192022	SIB-055-OHW-0-1-10192022	SIB-055-TOB-0-1-10192022	SIB-056-MLW-0-1-10192022	SIB-056-OHW-0-1-10192022	SIB-056-TOB-0-1-10192022	SIB-057-MLW-0-1-10192022	SIB-057-OHW-0-1-10192022
TOTAL HpCDFs	pg/g	NE	NE	NE		378 J	47 J	213 J	177 J	317 J	841 J	569	95.2 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**37.8 J**	3.9 J	**22.1 J**	**15.5 J**	**17.4 J**	**46.3 J**	**26.8 J**	**15.4 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-054-TOB	SIB-055-OHW	SIB-055-TOB	SIB-056-MLW	SIB-056-OHW	SIB-056-TOB	SIB-057-MLW	SIB-057-OHW
					Sample ID	SIB-054-TOB-0-1-10192022	SIB-055-OHW-0-1-10192022	SIB-055-TOB-0-1-10192022	SIB-056-MLW-0-1-10192022	SIB-056-OHW-0-1-10192022	SIB-056-TOB-0-1-10192022	SIB-057-MLW-0-1-10192022	SIB-057-OHW-0-1-10192022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-054-TOB	SIB-055-OHW	SIB-055-TOB	SIB-056-MLW	SIB-056-OHW	SIB-056-TOB	SIB-057-MLW	SIB-057-OHW
					Sample ID	SIB-054-TOB-0-1-10192022	SIB-055-OHW-0-1-10192022	SIB-055-TOB-0-1-10192022	SIB-056-MLW-0-1-10192022	SIB-056-OHW-0-1-10192022	SIB-056-TOB-0-1-10192022	SIB-057-MLW-0-1-10192022	SIB-057-OHW-0-1-10192022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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				Location ID	SIB-054-TOB	SIB-055-OHW	SIB-055-TOB	SIB-056-MLW	SIB-056-OHW	SIB-056-TOB	SIB-057-MLW	SIB-057-OHW
				Sample ID	SIB-054-TOB-0-1-10192022	SIB-055-OHW-0-1-10192022	SIB-055-TOB-0-1-10192022	SIB-056-MLW-0-1-10192022	SIB-056-OHW-0-1-10192022	SIB-056-TOB-0-1-10192022	SIB-057-MLW-0-1-10192022	SIB-057-OHW-0-1-10192022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	NA	NA	70000 J	NA	NA	NA	364000 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	19 U	1.9 U	19 U	**100 J**	1.9 U	18 U	**160 J**	1.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	670 J	4.1 UJ	510 J	1400	220 J	470 J	900 J	260 J
ARSENIC	mg/kg	3	NE	NE	**5.27**	2.34	**3.44**	**3.43**	2.77	**3.03**	**3.7**	**4.42**
CADMIUM	mg/kg	0.51	NE	NE	0.31	0.2	0.27	0.1 J	0.12	0.36	0.13	0.45
COPPER	mg/kg	359	NE	NE	118 J	21.3 J	58.4 J	25 J	23.3 J	36.5 J	37.1 J	36.1 J
LEAD	mg/kg	196	NE	NE	**245 J**	32.8 J	121 J	81.9 J	33.4 J	87.9 J	127 J	141 J
ZINC	mg/kg	459	NE	NE	257	**590**	211	101	81.6	136	93.9	129
MERCURY	mg/kg	0.085	NE	NE	**0.179**	**0.0875**	**0.133**	0.0475	0.0474	0.0696	0.0608	0.0494
Aroclor 1262	µg/kg	NE	NE	NE	2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U

Attachment C.1 (continued)
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				Location ID	SIB-054-TOB	SIB-055-OHW	SIB-055-TOB	SIB-056-MLW	SIB-056-OHW	SIB-056-TOB	SIB-057-MLW	SIB-057-OHW
				Sample ID	SIB-054-TOB-0-1-10192022	SIB-055-OHW-0-1-10192022	SIB-055-TOB-0-1-10192022	SIB-056-MLW-0-1-10192022	SIB-056-OHW-0-1-10192022	SIB-056-TOB-0-1-10192022	SIB-057-MLW-0-1-10192022	SIB-057-OHW-0-1-10192022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	54 J	3.3 J	27.2 J	7.8 U	7.8 U	33.2 J	239	30.3
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	54 J	6.8 J	60.9 J	46.1	27.4 J	168 J	176	299
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	**130**	**14.7**	**111**	**72.4**	**53.7**	**224**	**437**	**352**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	**730**	9.3 U	**170**	11 UJ	9.1 U	**140**	11 UJ	9.3 U
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	3.8 U	0.39 U	0.37 U	4.2 U	0.37 U	0.37 U	0.44 U	0.37 U
ACENAPHTHENE	µg/kg	NE	NE	NE	16 J	2.8 J	3.6 J	4.6 J	3.5 J	3.3 J	27	3.1 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE	14 J	2.6 J	1.9 J	17 J	4.5 J	9.5	11	2.9 J
ANTHRACENE	µg/kg	NE	NE	NE	25 J	2.9 J	5.4	21 J	7.4	11	47	5
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	170	25	32	170	35	44	49	29
BENZO(A)PYRENE	µg/kg	NE	NE	NE	310	44	64	200	55	75	70	50
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	410	44	89	320	66	94	91	68
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	220	25	46 J	150	41	63 J	78 J	38
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	140	15	28	110	25	31	31	23
CHRYSENE	µg/kg	NE	NE	NE	300	38	78	370	59	75	96	51
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	41 J	4.6 J	9	21 J	5.3	11	18	7
FLUORANTHENE	µg/kg	NE	NE	NE	410	32	85	930	130	110	160	75
FLUORENE	µg/kg	NE	NE	NE	9.8 J	2.8 J	2.8 J	6.4 U	5	3.4 J	24	3 J
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	250	26	44	140	42	63	81	41
NAPHTHALENE	µg/kg	NE	NE	1E+05	4.9 U	0.49 U	0.47 U	5.3 U	0.47 U	0.47 U	0.55 U	0.47 U
PHENANTHRENE	µg/kg	NE	NE	NE	160	16	41	110	64	61	160	34
PYRENE	µg/kg	NE	NE	NE	390	41	87	740	130	140	170	74
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	2870	322	617	3310	673	795	1110	504
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	436 J	58.3 J	89.9	285 J	74.9	106	111	71.1
SOLIDS, PERCENT	%	NE	NE	NE	95.9	95.7	97.3	86.9	98.1	98.7	85.1	96
TOTAL ORGANIC CARBON	%	NE	NE	NE	3.02	0.73	2.48	1.19	1.47	1.22	1.53	2.29

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-057-TOB	SIB-057-TOB	SIB-058-MLW	SIB-058-OHW	SIB-059-MLW	SIB-059-OHW	SIB-060-MLW	SIB-060-OHW
					Sample ID	SIB-057-TOB-0-1-10192022	SIB-057-TOB-1-2-10192022	SIB-058-MLW-0-1-10192022	SIB-058-OHW-0-1-10192022	SIB-059-MLW-0-1-10192022	SIB-059-OHW-0-1-10192022	SIB-060-MLW-0-1-10192022	SIB-060-OHW-0-1-10192022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		36 J	2.2	436.3 J	4.3 J	0.54 J	0.46 UJ	30	0.98 J
2,4'-DDD	µg/kg	NE	NE	NE		0.31 U	0.31 U	0.36 U	0.32 U	2.5	0.3 U	0.35 U	0.33 U
P,P'-DDD	µg/kg	NE	NE	NE		0.17 U	0.18 U	5.95 J	0.85	11	1.5	0.2 U	0.18 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.31 U	0.31 U	6.1	1	13.5	1.7	0.35 U	0.33 U
O,P'-DDE	µg/kg	NE	NE	NE		0.38 U	0.39 U	0.45 U	0.39 U	0.43 U	0.38 U	0.44 U	0.41 U
P,P'-DDE	µg/kg	NE	NE	NE		0.66	0.35 U	0.935 J	1.2	1.7	2.5	0.39 U	0.36 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.85	0.39 U	1.2	1.4	1.9	2.7	0.44 U	0.41 U
O,P'-DDT	µg/kg	NE	NE	NE		0.46 U	0.46 U	0.54 U	1.1	0.51 U	0.45 U	0.53 U	0.49 U
P,P'-DDT	µg/kg	NE	NE	NE		3.9	1.4	0.27 U	4.9	0.26 U	1.7	2.3	1.3
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		4.1	1.6	0.54 U	6	0.51 U	1.9	2.6	1.5
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		5.2	2.2	**7.7**	**8.4**	**15.8**	**6.3**	3.3	2.2
ALDRIN	µg/kg	2	NE	NE		0.38 U	0.39 U	0.45 U	0.39 U	0.43 U	0.38 U	0.44 U	0.41 U
DIELDRIN	µg/kg	0.07	NE	NE		0.37 U	0.38 U	0.44 U	0.38 U	0.42 U	0.37 U	0.43 U	0.4 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.15 UJ	0.16 UJ	0.18 UJ	0.16 UJ	0.17 UJ	0.15 UJ	0.18 U	0.16 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.3 U	0.31 U	0.36 U	1.2	0.34 U	0.33 J	0.69 J	0.32 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.31 U	0.32 U	0.585 J	1.4	0.59 J	0.31 U	0.68 J	0.33 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.47 U	0.48 U	0.56 U	0.48 U	0.53 U	0.46 U	0.54 U	0.5 U
Oxychlordane	µg/kg	NE	NE	NE		0.63 U	0.64 U	0.75 U	0.64 U	0.71 U	0.62 U	0.73 U	0.67 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.28 U	0.29 U	0.34 U	2.1	0.32 U	1.4	1.5	0.34 J
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.63 U	0.64 U	**1.6**	**5.3**	**1.5**	**2.4**	**3.5**	1.3
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		88.1	17.4	176 J	105	38.6	21.6	80.3	594
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		403	53.1	2060	1070	181	108	1190	10700
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.83	1.49 J	21.8 J	9.86	4.33 J	1.85 J	7.99 J	75.2
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**35.9**	**7.38**	**30.6**	**11.3**	**4.16 J**	**4.1 J**	**13.6**	**93.9**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		7.88	0.693 J	8.3 J	12.5	1.11 J	1.52 J	26.8	207
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		8.58	1.71 J	11.6 J	4.42 J	2.69 J	3.06 J	4.8 J	29.5 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		14.9	2.36 J	50 J	26.2	5.31 J	3.78 J	41.9	300
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.26 J	0.643 J	15.4 J	3.47 J	1.2 J	1.24 J	5.22	33.6 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		10.5 J	1.27 J	12.5	17.6	1.8 J	2.7 J	32.2	267
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		80.3	0.817 J	4.8 J	2.23 J	0.832 J	0.976 U	1.7 U	12.2 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**7.83 J**	**0.725 J**	**3 J**	**5.95 J**	**0.76 J**	**1.91 J**	**16.9**	**69.7**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		17.3	2.48 J	12.3 J	7.16	2.44 J	4.61 J	5.99 J	37.3 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**14.2**	**3.22 J**	**11.2 J**	**8**	**2.87 J**	**6.42**	**5.36 J**	**23.6 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**5.06**	**0.991 J**	**1.8 J**	**3.41**	**1.49**	1.66 U	**1.46 J**	5.74 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.496 J**	0.252 U	**0.64**	**0.56**	0.448 U	0.596 U	**2.39**	**7.43**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		851	101	3450	2070	321	205	2540	23700
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		337 J	54.1 J	371 J	184 J	70.7 J	64.9 J	153 J	951 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		159	15.6 J	246 J	242 J	31 J	35.6 J	514	4190
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		110	21.7	310 J	240	154	61.5	126	868
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2490	465	21600 J	8590 J	1950	864	8380 J	71500 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		441 J	82.8 J	76.4 J	130 J	34.4 J	98.3 J	53.8 J	246 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		36.4 J	1.87 J	34.9 J	37.3 J	6.85 J	11 J	147	897
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		88.2	16	27.9 J	62.2	22.4 J	65.9	19.7	53.5 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.32 J	0.252 U	13.8 J	7.3 J	2.89 J	2.37	34.1	159 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-057-TOB	SIB-057-TOB	SIB-058-MLW	SIB-058-OHW	SIB-059-MLW	SIB-059-OHW	SIB-060-MLW	SIB-060-OHW
					Sample ID	SIB-057-TOB-0-1-10192022	SIB-057-TOB-1-2-10192022	SIB-058-MLW-0-1-10192022	SIB-058-OHW-0-1-10192022	SIB-059-MLW-0-1-10192022	SIB-059-OHW-0-1-10192022	SIB-060-MLW-0-1-10192022	SIB-060-OHW-0-1-10192022
TOTAL HpCDFs	pg/g	NE	NE	NE		259 J	55 J	648 J	361 J	194 J	69.3 J	272	2060 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**31.1 J**	4.5 J	NA	**32.1 J**	6.8 J	7.9 J	**49.5 J**	**317 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-057-TOB	SIB-057-TOB	SIB-058-MLW	SIB-058-OHW	SIB-059-MLW	SIB-059-OHW	SIB-060-MLW	SIB-060-OHW
					Sample ID	SIB-057-TOB-0-1-10192022	SIB-057-TOB-1-2-10192022	SIB-058-MLW-0-1-10192022	SIB-058-OHW-0-1-10192022	SIB-059-MLW-0-1-10192022	SIB-059-OHW-0-1-10192022	SIB-060-MLW-0-1-10192022	SIB-060-OHW-0-1-10192022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-057-TOB	SIB-057-TOB	SIB-058-MLW	SIB-058-OHW	SIB-059-MLW	SIB-059-OHW	SIB-060-MLW	SIB-060-OHW
					Sample ID	SIB-057-TOB-0-1-10192022	SIB-057-TOB-1-2-10192022	SIB-058-MLW-0-1-10192022	SIB-058-OHW-0-1-10192022	SIB-059-MLW-0-1-10192022	SIB-059-OHW-0-1-10192022	SIB-060-MLW-0-1-10192022	SIB-060-OHW-0-1-10192022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-057-TOB	SIB-057-TOB	SIB-058-MLW	SIB-058-OHW	SIB-059-MLW	SIB-059-OHW	SIB-060-MLW	SIB-060-OHW
					Sample ID	SIB-057-TOB-0-1-10192022	SIB-057-TOB-1-2-10192022	SIB-058-MLW-0-1-10192022	SIB-058-OHW-0-1-10192022	SIB-059-MLW-0-1-10192022	SIB-059-OHW-0-1-10192022	SIB-060-MLW-0-1-10192022	SIB-060-OHW-0-1-10192022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	72200 J	NA	NA	21200 J	NA	38400 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		19 U	1.9 U	**245 J**	**150 J**	**320**	2 U	21 U	2 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		250 J	200 J	1500 J	990 J	1300	4.2 UJ	750 J	270 J
ARSENIC	mg/kg	3	NE	NE		**6.43**	**7.2 J**	2.615	**3.68**	**16.2**	**4.19**	2.93	**3.36**
CADMIUM	mg/kg	0.51	NE	NE		0.27	0.14	0.095 J	0.44	0.15	0.29	0.16	0.22
COPPER	mg/kg	359	NE	NE		37.3 J	24.3	23.35 J	37.2 J	39.8 J	23.1 J	27.8 J	38 J
LEAD	mg/kg	196	NE	NE		59.9 J	19.8 J	47.45 J	84.2 J	92.1 J	101 J	66.9 J	51.9 J
ZINC	mg/kg	459	NE	NE		153	67.1	76.75	150	224	109	97.9	97.6
MERCURY	mg/kg	0.085	NE	NE		0.052	0.038 J	0.02245 J	0.0695	0.0491	0.0626	0.0302	0.0669
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-057-TOB	SIB-057-TOB	SIB-058-MLW	SIB-058-OHW	SIB-059-MLW	SIB-059-OHW	SIB-060-MLW	SIB-060-OHW
					Sample ID	SIB-057-TOB-0-1-10192022	SIB-057-TOB-1-2-10192022	SIB-058-MLW-0-1-10192022	SIB-058-OHW-0-1-10192022	SIB-059-MLW-0-1-10192022	SIB-059-OHW-0-1-10192022	SIB-060-MLW-0-1-10192022	SIB-060-OHW-0-1-10192022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	61.6 J	7.8 U	7.8 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		32.5 J	8 J	7.8 U	7.8 U	143 J	7.8 U	7.8 U	7.8 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		429 J	50.2 J	42.85 J	69.3 J	113 J	23.8 J	25.2	36.5 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**484**	**62.8**	**69.2**	**95.6**	**336**	**50.1**	**51.5**	**62.8**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		9.1 U	9.1 UJ	**200 J**	**140**	11 U	9.3 U	9.9 UJ	9.7 U
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.38 U	0.38 U	0.47 U	3.9 U	0.41 U	0.37 U	0.41 U	0.4 U
ACENAPHTHENE	µg/kg	NE	NE	NE		4.8 J	0.96 J	1.7 J	90	0.81 J	1.7 J	4.6 J	2.7 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		5.7	3 J	4.95 J	430	1.5 J	3.6 J	5.6	2.4 J
ANTHRACENE	µg/kg	NE	NE	NE		7.5	2.1 J	8 J	360	2.8 J	4.6 J	12	10
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		37	8.8	45 J	2600	14	26	16	51
BENZO(A)PYRENE	µg/kg	NE	NE	NE		70	21	63 J	3200	25	39	20	41
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		88	23	110 J	3300	40	46	54	82
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		56	21	56.5 J	1500	19 J	26	48	26
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		30	7.1	27 J	1300	12	15	12	26
CHRYSENE	µg/kg	NE	NE	NE		65	16	114	2500	30	34	44	83
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		8.3	3.2 J	15.5	340	5.8	4.3 J	10	6.5
FLUORANTHENE	µg/kg	NE	NE	NE		85	19	37.5 J	3600	14	51	58	160
FLUORENE	µg/kg	NE	NE	NE		4.5 J	0.99 J	3.8 J	140	1.4 J	2.1 J	6.7	4.1 J
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		59	19	43 J	2000	17	29	36	30
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.49 U	0.48 U	0.59 U	5 U	0.52 U	0.47 U	0.52 U	0.5 U
PHENANTHRENE	µg/kg	NE	NE	NE		46	9.2	14	1200	9.3	21	49	84
PYRENE	µg/kg	NE	NE	NE		91	26	175 J	3800	55	55	53	110
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		658	181	719	**26400**	248	359	429	719
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		97.1	29.4 J	98.7	**4350**	38.1	53.6 J	40.8	64.1
SOLIDS, PERCENT	%	NE	NE	NE		96.8	97.2	75.65	94.4	85.8	92.6	89.2	90.7
TOTAL ORGANIC CARBON	%	NE	NE	NE		3.17	0.53	1.11	8.12	0.66	1.87	0.9	4.39

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-061-MLW	SIB-061-OHW	SIB-062-MLW	SIB-062-MLW	SIB-062-OHW	SIB-062-TOB	SIB-063-MLW	SIB-063-MLW
					Sample ID	SIB-061-MLW-0-1-10192022	SIB-061-OHW-0-1-10192022	SIB-062-MLW-0-1-10182022	SIB-062-MLW-1-2-10182022	SIB-062-OHW-0-1-10182022	SIB-062-TOB-0-1-10182022	SIB-063-MLW-0-1-10182022	SIB-063-MLW-1-2-10182022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		29	6.5	1.9	NA	22 J	2.7	0.74 J	NA
2,4'-DDD	µg/kg	NE	NE	NE		1.1	0.3 U	0.33 U	NA	0.41 U	0.3 U	0.38 U	NA
P,P'-DDD	µg/kg	NE	NE	NE		3.2	0.17 U	0.18 U	NA	0.94	0.18 J	0.51 J	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		4.3	0.3 U	0.33 U	NA	1.1	0.33	0.7	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.41 U	0.38 U	0.41 U	NA	0.52 U	0.38 U	0.47 U	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.66	0.34 U	0.36 U	NA	1	0.34 U	0.42 U	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.87	0.38 U	0.41 U	NA	1.3	0.38 U	0.47 U	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.49 U	0.45 U	0.48 U	NA	0.8	0.45 U	0.56 U	NA
P,P'-DDT	µg/kg	NE	NE	NE		0.25 U	0.28 J	0.24 U	NA	6.2	0.93	0.4 J	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.49 U	0.51	0.48 U	NA	7	1.2	0.68	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		5.5	1.1	0.48 U	NA	**9.4**	1.8	1.8	NA
ALDRIN	µg/kg	2	NE	NE		0.41 U	0.38 U	0.41 U	NA	0.52 U	0.38 U	0.47 U	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.4 U	0.37 U	0.4 U	NA	0.5 U	0.37 U	0.46 U	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 U	0.15 U	0.16 U	NA	0.21 U	0.15 U	0.19 U	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		1.5	0.3 U	0.32 U	NA	0.41 U	0.3 U	0.37 U	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		2.3	0.31 U	0.33 U	NA	0.42 U	0.31 U	0.39 U	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.5 U	0.46 U	0.5 U	NA	0.63 U	0.46 U	0.58 U	NA
Oxychlordane	µg/kg	NE	NE	NE		0.67 U	0.62 U	0.67 U	NA	0.85 U	0.62 U	0.78 U	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		1.3	0.28 U	0.3 U	NA	0.58 J	0.28 U	0.35 U	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**5.7**	0.62 U	0.67 U	NA	**1.7**	0.62 U	0.78 U	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		152	220	8.98	23.8	112	23.9	27.7	10.6
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1560	3220	65.9	147	841	266	161	40.1
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		16.7	25.5	0.91 U	1.68 J	7.77 J	2.32 U	1.76 U	0.626 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**24.7**	**34.4**	1.19 U	**2.76 J**	**18.1**	**4.78 J**	**4.55 J**	0.169 UJ
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		24.6	37	1.93 U	1.4 J	12.7	1.66 U	2.04 U	0.196 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		11.6	10.3 J	1.28 U	1.58 J	5.86	0.879 U	1.78 J	0.17 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		51	86.6	3.37 J	5.32	27.2 J	4.84 J	1.87 U	1.07 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		8.94	11.8 J	1.61 U	1.06 J	4.27 J	1.6 U	2.02 U	0.226 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		30.6	50.6	2.01 J	2.59 J	16.4	1.6 U	2.57 J	0.201 U
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.82	6.72 J	1.31 U	0.25 U	17.9	0.631 U	1.13 U	0.17 UJ
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**10**	**20.1**	1.27 U	**1.03 J**	**6.98**	0.669 U	1.03 U	0.217 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		14.8	11.1 J	1.27 U	2.65 J	8.84	0.969 U	1.85 J	0.18 UJ
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**12.3**	**8.69 J**	**1.36 J**	**2.69 J**	**10.6**	**1.28 J**	**1.84 J**	0.168 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**2.66**	3.5 U	0.654 U	**1.37 J**	**3.96 J**	0.891 U	**0.759 J**	**0.429 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**1.45 J**	**1.82 J**	0.75 U	0.292 U	**1.32 J**	0.262 U	0.397 U	0.248 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		2980	6340	132	265	1710	473	339	70.5
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		280 J	330 J	18.7 J	46.2 J	208 J	40.2 J	63.3 J	13.4 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		461	761	19.5 J	34 J	265	24.1 J	35.8 J	6.49 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		236	391	12.9 J	49.2	244	39.5	43.9	67.8
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		12500 J	27100 J	490	1160	6710 J	2680	1170	328
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		127 J	64.9 J	10.5 J	24.6 J	142 J	14.7 J	22.2 J	9.37 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		101	121 J	1.27 U	8.15 J	69.7 J	1.85 J	1.03 U	0.658 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		68.2	4.25 J	1.19	9.9 J	68.3	0.957 J	6.67 J	3.92 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		27.4 J	15.8 J	0.75 U	1.99 J	24.6 J	0.34 J	0.397 U	0.248 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-061-MLW	SIB-061-OHW	SIB-062-MLW	SIB-062-MLW	SIB-062-OHW	SIB-062-TOB	SIB-063-MLW	SIB-063-MLW
					Sample ID	SIB-061-MLW-0-1-10192022	SIB-061-OHW-0-1-10192022	SIB-062-MLW-0-1-10182022	SIB-062-MLW-1-2-10182022	SIB-062-OHW-0-1-10182022	SIB-062-TOB-0-1-10182022	SIB-063-MLW-0-1-10182022	SIB-063-MLW-1-2-10182022
TOTAL HpCDFs	pg/g	NE	NE	NE		474 J	729	27.7	74.5 J	394	78.8	95.9 J	49.4 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**53.3 J**	**92 J**	3.3 J	5.9 J	**33.4 J**	5.9 J	5 J	1.1 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-061-MLW	SIB-061-OHW	SIB-062-MLW	SIB-062-MLW	SIB-062-OHW	SIB-062-TOB	SIB-063-MLW	SIB-063-MLW
					Sample ID	SIB-061-MLW-0-1-10192022	SIB-061-OHW-0-1-10192022	SIB-062-MLW-0-1-10182022	SIB-062-MLW-1-2-10182022	SIB-062-OHW-0-1-10182022	SIB-062-TOB-0-1-10182022	SIB-063-MLW-0-1-10182022	SIB-063-MLW-1-2-10182022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Location ID					SIB-061-MLW	SIB-061-OHW	SIB-062-MLW	SIB-062-MLW	SIB-062-OHW	SIB-062-TOB	SIB-063-MLW	SIB-063-MLW
Sample ID					SIB-061-MLW-0-1-10192022	SIB-061-OHW-0-1-10192022	SIB-062-MLW-0-1-10182022	SIB-062-MLW-1-2-10182022	SIB-062-OHW-0-1-10182022	SIB-062-TOB-0-1-10182022	SIB-063-MLW-0-1-10182022	SIB-063-MLW-1-2-10182022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-061-MLW	SIB-061-OHW	SIB-062-MLW	SIB-062-MLW	SIB-062-OHW	SIB-062-TOB	SIB-063-MLW	SIB-063-MLW
					Sample ID	SIB-061-MLW-0-1-10192022	SIB-061-OHW-0-1-10192022	SIB-062-MLW-0-1-10182022	SIB-062-MLW-1-2-10182022	SIB-062-OHW-0-1-10182022	SIB-062-TOB-0-1-10182022	SIB-063-MLW-0-1-10182022	SIB-063-MLW-1-2-10182022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	9340 J	NA	NA	NA	6590 J	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		23 U	1.9 U	32 U	2.6 U	24 U	1.9 U	22 U	2.5 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		2800	4.1 U	570 J	330	1600	4 U	47 U	5.4 U
ARSENIC	mg/kg	3	NE	NE		**3.26**	1.8	**4.51**	**3.84 J**	**4.88**	**3.66**	**3.32**	**11.5 J**
CADMIUM	mg/kg	0.51	NE	NE		0.07 J	0.09 J	0.06 J	0.1 J	**1.4**	0.12	0.14	0.1 J
COPPER	mg/kg	359	NE	NE		19.6 J	18.7 J	34.5 J	31.7	205 J	21.2 J	39.2 J	83.2
LEAD	mg/kg	196	NE	NE		29.8	16.9 J	70.8	32.6 J	161	15.6	17	19.4 J
ZINC	mg/kg	459	NE	NE		76.1	55.6	105	112	**496**	65.2	104	87.5
MERCURY	mg/kg	0.085	NE	NE		0.0328	0.0263	0.0547	0.0371 J	**0.454**	0.0316	0.0625	**0.181 J**
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U

Attachment C.1 (continued)
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					Location ID	SIB-061-MLW	SIB-061-OHW	SIB-062-MLW	SIB-062-MLW	SIB-062-OHW	SIB-062-TOB	SIB-063-MLW	SIB-063-MLW
					Sample ID	SIB-061-MLW-0-1-10192022	SIB-061-OHW-0-1-10192022	SIB-062-MLW-0-1-10182022	SIB-062-MLW-1-2-10182022	SIB-062-OHW-0-1-10182022	SIB-062-TOB-0-1-10182022	SIB-063-MLW-0-1-10182022	SIB-063-MLW-1-2-10182022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	5.2	2.7 J	5.5 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		297 J	3.5 J	3 J	4.4 J	34	5.9	5.9	18.3 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		139 J	7.1 J	10.2	9.8 J	84.7	5.9	5.4	8 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**458**	**15.2**	**17.8**	**18.8**	**141**	**20.8**	**17.8**	**35.6**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		12 UJ	9.2 UJ	11 UJ	NA	120 UJ	9.1 UJ	11 UJ	36 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.45 U	0.38 U	0.43 U	NA	0.48 U	0.38 U	0.43 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		1.4 J	0.73 J	1.1 J	NA	6 J	0.71 J	3.8 J	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		6.1	0.69 J	1.5 J	NA	7	1.2 J	1.6 J	NA
ANTHRACENE	µg/kg	NE	NE	NE		11	2.1 J	1.8 J	NA	11	1.8 J	4.4 J	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		25	5.4	10	NA	51	7.3	25	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		35	11	19	NA	100	15	32	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		65	14	25	NA	120	15	47	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		71	6.3	23	NA	73	11	24	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		14	4.4 J	8	NA	41	5.9	19	NA
CHRYSENE	µg/kg	NE	NE	NE		64	11	22	NA	90	10	36	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		18	1.1 J	4.9 J	NA	14	1.5 J	4.8 J	NA
FLUORANTHENE	µg/kg	NE	NE	NE		76	17	35	NA	120	14	74	NA
FLUORENE	µg/kg	NE	NE	NE		2.4 J	1.1 J	1.6 J	NA	6.7	0.87 J	2.9 J	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		41	6.5	18	NA	75	11	27	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.58 U	0.48 U	0.54 U	NA	0.61 U	0.48 U	0.55 U	NA
PHENANTHRENE	µg/kg	NE	NE	NE		90	19	9.3	NA	69	6.8	39	NA
PYRENE	µg/kg	NE	NE	NE		77	13	49	NA	120	15	65	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		597	114	230	NA	904	118	406	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		66.3	14.7 J	29.3 J	NA	139	19.9 J	46.9 J	NA
SOLIDS, PERCENT	%	NE	NE	NE		80.4	95.3	84	69.7	76.2	97.2	82.6	71.7
TOTAL ORGANIC CARBON	%	NE	NE	NE		1.59	0.91	0.63	NA	26.9	1.07	0.6	NA

Attachment C.1 (continued)
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					Location ID	SIB-063-OHW	SIB-063-TOB	SIB-064-MLW	SIB-064-MLW	SIB-064-OHW	SIB-064-TOB	SIB-064-TOB	SIB-064-TOB
					Sample ID	SIB-063-OHW-0-1-10182022	SIB-063-TOB-0-1-10182022	SIB-064-MLW-0-1-10182022	SIB-064-MLW-1-2-10182022	SIB-064-OHW-0-1-10182022	SIB-064-TOB-0-1-10182022	SIB-064-TOB-1-2-10182022	SIB-064-TOB-2-3-10182022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		18	9.7	0.5 J	NA	0.43 U	2.7	NA	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.3 U	0.33 U	0.29 U	NA	0.27 U	0.27 U	NA	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.47	0.52	0.16 J	NA	0.15 U	0.15 U	NA	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.62	0.69	0.31	NA	0.27 U	0.27 U	NA	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.37 U	0.41 U	0.36 U	NA	0.33 U	0.34 U	NA	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.81	0.66	0.32 U	NA	0.3 U	0.3 U	NA	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		1	0.87	0.36 U	NA	0.33 U	0.34 U	NA	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.45 J	0.49 U	0.43 U	NA	0.39 U	0.4 U	NA	NA
P,P'-DDT	µg/kg	NE	NE	NE		3.1	5.4	0.22 U	NA	0.2 U	0.2 U	NA	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		3.6	5.6	0.43 U	NA	0.39 U	0.4 U	NA	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		5.2	**7.2**	0.97	NA	0.39 U	0.4 U	NA	NA
ALDRIN	µg/kg	2	NE	NE		0.37 U	0.41 U	0.36 U	NA	0.33 U	0.34 U	NA	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.36 U	0.4 U	0.36 U	NA	0.32 U	0.33 U	NA	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.15 U	0.16 U	0.15 U	NA	0.13 U	0.14 U	NA	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.53 J	0.32 U	0.29 U	NA	0.26 U	0.27 U	NA	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.46 J	0.34 U	0.3 U	NA	0.27 U	0.28 U	NA	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.46 U	0.51 U	0.45 U	NA	0.41 U	0.42 U	NA	NA
Oxychlordane	µg/kg	NE	NE	NE		0.61 U	0.68 U	0.6 U	NA	0.54 U	0.55 U	NA	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.97	0.3 U	0.27 U	NA	0.25 U	0.25 U	NA	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**2.5**	0.68 U	0.6 U	NA	0.54 U	0.55 U	NA	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	20.8	43.7	29.9	2.98 J	1.61 U	NA	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	92	522	137	13.5	19.1	NA	NA
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	1.76 U	3.43 U	1.98 J	0.728 U	2.86 U	NA	NA
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		NA	**4.83 J**	**7.38 J**	**2.63 J**	0.511 U	1.52 U	NA	NA
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	1.7 U	2.2 U	1.77 J	0.776 U	1.49 U	NA	NA
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	2.11 J	1.85 J	1.99 J	0.535 U	1.52 U	NA	NA
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	3.83 J	9.32 J	5.3	0.814 U	1.43 U	NA	NA
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	2.42 U	3.47 J	0.698 J	0.67 U	2.7 U	NA	NA
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	2.57 J	2.08 U	4.03 J	0.796 U	1.46 U	NA	NA
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	1.38 U	0.936 U	0.217 U	6.4 U	0.917 U	NA	NA
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		NA	1.1 U	0.794 U	**1.09 J**	5.71 U	0.953 U	NA	NA
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	2.66 J	2.48 J	2.41 J	0.497 U	1.54 U	NA	NA
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		NA	**2.44 J**	**5.31**	**2.74 J**	5.57 U	0.785 U	NA	NA
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		NA	**0.798 J**	**1.13 J**	**0.945 J**	0.712 U	0.933 U	NA	NA
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		NA	**0.47 J**	0.603 U	0.259 U	0.499 U	0.404 U	NA	NA
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		NA	168	1120	262	24.6	42	NA	NA
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	45.5 J	122 J	51.8 J	3.45 J	5.98 J	NA	NA
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	23.8 J	74 J	40.6 J	3.57 J	6.59 J	NA	NA
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	27.3	54.1	67.5	7.01 J	13.7	NA	NA
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	640	4480 J	951	102	186	NA	NA
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		NA	36.8 J	31.2 J	24.3 J	0.642 J	3.15 J	NA	NA
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		NA	4.57 J	0.794 U	8.68 J	5.71 U	0.953 U	NA	NA
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		NA	13.4 J	2.23 J	13.5 J	0.712 U	0.933 U	NA	NA
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	2.55 J	0.603 U	2.24 J	0.499 U	0.404 U	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-063-OHW	SIB-063-TOB	SIB-064-MLW	SIB-064-MLW	SIB-064-OHW	SIB-064-TOB	SIB-064-TOB	SIB-064-TOB
					Sample ID	SIB-063-OHW-0-1-10182022	SIB-063-TOB-0-1-10182022	SIB-064-MLW-0-1-10182022	SIB-064-MLW-1-2-10182022	SIB-064-OHW-0-1-10182022	SIB-064-TOB-0-1-10182022	SIB-064-TOB-1-2-10182022	SIB-064-TOB-2-3-10182022
TOTAL HpCDFs	pg/g	NE	NE	NE		NA	66.8 J	163	91.6 J	10.7 J	16.2	NA	NA
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		NA	5 J	**12.1 J**	6 J	4.5 J	1.7	NA	NA
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	18.6	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	12.7	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	59.3	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	48.9	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	22.9	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	141	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	27.9	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	15.9	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	56.6	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	15.9	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	18.9	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	14.1	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	198	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	15.7	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	16.8	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	850	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	238	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	147	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	852	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	508	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	44.3	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	110	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	193	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	369	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	1990	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	11.2	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	13.2	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	603	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	8.37	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	1030	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	8.76	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	8.71	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	43.3	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	172	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	36.3	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	11.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	341	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	155	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	2830	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	880	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	32.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	40.4	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	1000	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-063-OHW	SIB-063-TOB	SIB-064-MLW	SIB-064-MLW	SIB-064-OHW	SIB-064-TOB	SIB-064-TOB	SIB-064-TOB
					Sample ID	SIB-063-OHW-0-1-10182022	SIB-063-TOB-0-1-10182022	SIB-064-MLW-0-1-10182022	SIB-064-MLW-1-2-10182022	SIB-064-OHW-0-1-10182022	SIB-064-TOB-0-1-10182022	SIB-064-TOB-1-2-10182022	SIB-064-TOB-2-3-10182022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	147	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	352	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	105	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	43.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	497	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	406	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	16	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	17.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	141	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	9.08	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	2080	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	5.05	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	6.41	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	5.25	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	2080	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	40.6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.55	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	302	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	231	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	13.4	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	231	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	13.4	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	12.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	10.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	11.5	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	171	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	11.7	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	17.2	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	303	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	37	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	114	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	590	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	285	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	208	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	89.3	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	667	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	69.8	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	143	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	420	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	7.06	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	24.5	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	108	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	176	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	96.6	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	356	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	201	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	879	NA	NA	NA	NA

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Location ID					SIB-063-OHW	SIB-063-TOB	SIB-064-MLW	SIB-064-MLW	SIB-064-OHW	SIB-064-TOB	SIB-064-TOB	SIB-064-TOB
Sample ID					SIB-063-OHW-0-1-10182022	SIB-063-TOB-0-1-10182022	SIB-064-MLW-0-1-10182022	SIB-064-MLW-1-2-10182022	SIB-064-OHW-0-1-10182022	SIB-064-TOB-0-1-10182022	SIB-064-TOB-1-2-10182022	SIB-064-TOB-2-3-10182022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	1440	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE	NA	NA	NA	24.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE	NA	NA	NA	213	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE	NA	NA	NA	49.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	312	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	19.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE	NA	NA	NA	18.4	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE	NA	NA	NA	1430	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	11.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	581	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	20.8	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	5.28	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	515	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	51	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	21.4	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE	NA	NA	NA	28.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE	NA	NA	NA	88.6	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE	NA	NA	NA	1870	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	13.8	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	12.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	13.8	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	12.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	25.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE	NA	NA	NA	21.7	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	1320	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	14.9	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	13.7	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	27.4	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	21.8	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE	NA	NA	NA	36700	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	746	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE	NA	NA	NA	141	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE	NA	NA	NA	72.8	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE	NA	NA	NA	34.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE	NA	NA	NA	366	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE	NA	NA	NA	16.4	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE	NA	NA	NA	21.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE	NA	NA	NA	56.3	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	211	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE	NA	NA	NA	45.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE	NA	NA	NA	47	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	816	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	6.24	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE	NA	NA	NA	170	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	15.3	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	16.4	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	16	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-063-OHW	SIB-063-TOB	SIB-064-MLW	SIB-064-MLW	SIB-064-OHW	SIB-064-TOB	SIB-064-TOB	SIB-064-TOB
					Sample ID	SIB-063-OHW-0-1-10182022	SIB-063-TOB-0-1-10182022	SIB-064-MLW-0-1-10182022	SIB-064-MLW-1-2-10182022	SIB-064-OHW-0-1-10182022	SIB-064-TOB-0-1-10182022	SIB-064-TOB-1-2-10182022	SIB-064-TOB-2-3-10182022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	25.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	70.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	357	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	16.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	14.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	13.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	149	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	15.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	9.36	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	66.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	15.3	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	17.9	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	14	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	17	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	49.1	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	55.8	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	115	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	22	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	209	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	73.2	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	86.6	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	12.3	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	6.78	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	7.77	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	28.4	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	7.8	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	11.8	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	140	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	47.5	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	16.2	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	12.1	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	80.9	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	12.8	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	13.3	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	4060 J	36900 J	NA	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		20 U	1.9 U	2 U	NA	1.9 U	1.9 U	NA	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		610 J	4.1 U	4.3 U	NA	4 U	4 U	NA	NA
ARSENIC	mg/kg	3	NE	NE		**3.52**	**3.37**	2.8	NA	2.15	2.38	NA	NA
CADMIUM	mg/kg	0.51	NE	NE		0.29	0.15	0.08 J	NA	0.03 U	0.04 J	NA	NA
COPPER	mg/kg	359	NE	NE		37.6 J	25 J	23.5 J	NA	15.2 J	17.7 J	NA	NA
LEAD	mg/kg	196	NE	NE		64.1	16.9	7.55	NA	3.65	6.43	NA	NA
ZINC	mg/kg	459	NE	NE		138	62.6	83.6	NA	46	49.1	NA	NA
MERCURY	mg/kg	0.085	NE	NE		**0.119**	0.0674	0.0216	NA	0.0154 J	0.0176 J	NA	NA
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U

Attachment C.1 (continued)
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					Location ID	SIB-063-OHW	SIB-063-TOB	SIB-064-MLW	SIB-064-MLW	SIB-064-OHW	SIB-064-TOB	SIB-064-TOB	SIB-064-TOB
					Sample ID	SIB-063-OHW-0-1-10182022	SIB-063-TOB-0-1-10182022	SIB-064-MLW-0-1-10182022	SIB-064-MLW-1-2-10182022	SIB-064-OHW-0-1-10182022	SIB-064-TOB-0-1-10182022	SIB-064-TOB-1-2-10182022	SIB-064-TOB-2-3-10182022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	5.4	1.9 J	4.3 J	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		7.8 U	6.7	2 J	7.2 J	1.6 U	3.4 J	1.6 U	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		26.1	4.5	2.4 J	9.4 J	0.6 U	2.4 J	1.3 J	0.6 U
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**52.4**	**20.4**	**10.1**	**24.7**	1.6 U	**10.4**	6.7	1.6 U
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		48 UJ	9.3 UJ	9.7 UJ	NA	9.2 UJ	8.9 UJ	NA	NA
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.4 U	0.39 U	0.4 U	NA	0.38 U	0.37 U	NA	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		2.9 J	1.7 J	1 J	NA	0.45 J	15	NA	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		2.9 J	3.5 J	1.2 J	NA	0.34 J	22	NA	NA
ANTHRACENE	µg/kg	NE	NE	NE		5.6	6.2	2.7 J	NA	0.3 U	21	NA	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		35	25	12	NA	0.24 U	27	NA	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		58	34	21	NA	3.5 J	44	NA	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		66	38	26	NA	1.3 J	41	NA	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		44	21	16	NA	0.42 U	39	NA	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		20	14	9.6	NA	0.43 J	27	NA	NA
CHRYSENE	µg/kg	NE	NE	NE		54	34	19	NA	0.83 J	30	NA	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		9.7	4.2 J	2.7 J	NA	0.24 U	18	NA	NA
FLUORANTHENE	µg/kg	NE	NE	NE		66	48	30	NA	1.6 J	38	NA	NA
FLUORENE	µg/kg	NE	NE	NE		2.9 J	1.6 J	1.2 J	NA	0.59 U	17	NA	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		42	23	18	NA	0.81 J	39	NA	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.5 U	0.5 U	0.51 U	NA	0.49 U	0.47 U	NA	NA
PHENANTHRENE	µg/kg	NE	NE	NE		32	22	12	NA	1.6 J	22	NA	NA
PYRENE	µg/kg	NE	NE	NE		71	57	31	NA	0.33 U	46	NA	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		512	334	204	NA	12.4	446	NA	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		82.3	47 J	29.4 J	NA	3.8 J	73	NA	NA
SOLIDS, PERCENT	%	NE	NE	NE		92.5	95.1	91.3	NA	96.7	98.7	NA	NA
TOTAL ORGANIC CARBON	%	NE	NE	NE		5.12	1.71	0.22	NA	0.07 J	0.25	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-065-MLW	SIB-065-OHW	SIB-065-OHW	SIB-065-OHW	SIB-065-TOB	SIB-066-MLW	SIB-066-MLW	SIB-066-OHW
					Sample ID	SIB-065-MLW-0-1-10182022	SIB-065-OHW-0-1-10182022	SIB-065-OHW-1-2-10182022	SIB-065-OHW-2-3-10182022	SIB-065-TOB-0-1-10182022	SIB-066-MLW-0-1-10182022	SIB-066-MLW-1-2-10182022	SIB-066-OHW-0-1-10182022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		0.43 U	0.99 J	NA	NA	0.63 J	0.43 U	NA	23.05 J
2,4'-DDD	µg/kg	NE	NE	NE		0.29 U	0.28 U	NA	NA	0.28 U	0.38 U	NA	0.27 U
P,P'-DDD	µg/kg	NE	NE	NE		0.17 U	0.2 J	NA	NA	0.23 J	0.21 U	NA	0.32 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.29 U	0.28 U	NA	NA	0.37	0.38 U	NA	0.46
O,P'-DDE	µg/kg	NE	NE	NE		0.37 U	0.36 U	NA	NA	0.35 U	0.47 U	NA	0.34 U
P,P'-DDE	µg/kg	NE	NE	NE		0.33 U	0.32 U	NA	NA	0.31 U	0.42 U	NA	0.86
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.37 U	0.36 U	NA	NA	0.35 U	0.47 U	NA	1
O,P'-DDT	µg/kg	NE	NE	NE		0.44 U	0.42 U	NA	NA	0.41 U	0.56 U	NA	0.41 U
P,P'-DDT	µg/kg	NE	NE	NE		0.22 U	1.2 J	NA	NA	0.5	0.28 U	NA	0.23 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.44 U	0.42 U	NA	NA	0.71	0.56 U	NA	0.44
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.44 U	0.42 U	NA	NA	1.4	0.56 U	NA	1.9
ALDRIN	µg/kg	2	NE	NE		0.37 U	0.36 U	NA	NA	0.35 U	0.47 U	NA	0.34 U
DIELDRIN	µg/kg	0.07	NE	NE		0.36 U	0.35 U	NA	NA	0.34 U	0.46 U	NA	0.33 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.15 U	0.14 U	NA	NA	0.14 U	0.19 U	NA	0.14 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.29 U	0.28 U	NA	NA	0.27 U	0.37 U	NA	0.27 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.3 U	0.29 U	NA	NA	0.28 U	0.38 U	NA	0.28 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.45 U	0.44 U	NA	NA	0.43 U	0.58 U	NA	0.42 U
Oxychlordane	µg/kg	NE	NE	NE		0.6 U	0.58 U	NA	NA	0.57 U	0.77 U	NA	0.56 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.27 U	0.26 U	NA	NA	0.26 U	0.35 U	NA	0.25 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.6 U	0.58 U	NA	NA	0.57 U	0.77 U	NA	0.56 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.92 J	3.68 J	0.203 U	0.228 U	5.53	0.881 U	0.144 UJ	14.7
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		77.6	12 J	6.16	4.71 J	23.2	4.61 J	4.76 J	76.1
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.76 U	0.912 U	0.271 U	0.298 U	2.08 U	1.32 U	0.195 U	1.78 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		1.13 U	**0.706 J**	0.119 U	0.152 UJ	1.33 U	0.755 U	0.148 UJ	**2.26 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.88 U	1.17 U	0.188 U	0.224 U	1.16 U	1.29 U	0.235 U	2.01 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.07 U	0.564 U	0.118 U	0.144 U	1.26 U	0.769 U	0.145 U	1.35 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.82 J	1.08 U	0.4 J	0.347 J	1.1 U	1.23 U	0.351 J	2.925 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.6 U	0.96 U	0.176 U	0.204 U	2.3 U	1.29 U	0.201 U	2.19 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.9 U	1.13 U	0.185 U	0.222 U	1.13 U	1.26 U	0.231 UJ	2.17 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.02 U	0.522 U	0.185 UJ	0.177 U	0.936 U	0.647 U	0.182 U	1.5 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.941 U	0.564 U	0.168 U	0.186 U	0.872 U	0.815 U	**0.263 J**	1.06 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.07 U	0.584 U	0.122 U	0.154 U	1.32 U	0.759 U	0.158 U	1.29 U
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.861 U	0.44 U	0.178 U	0.169 U	0.804 U	0.593 U	0.17 U	1.31 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.623 U	0.61 U	0.283 U	0.266 U	0.948 U	**0.921 J**	0.401 U	0.317 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.2 U	0.118 U	0.273 U	0.262 U	0.424 U	0.362 U	0.341 U	**0.548 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		175	24.85	12.4	9.67 J	52.5	13.7 J	10.5 J	163.5
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		9.25 J	3.615 J	2.26 J	1.63 J	6.51 J	2.47 J	1.99 J	18.85 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		11.9 J	2.365 J	2.68 J	2.5 J	4.57 J	1.23 U	2.8 J	19.85 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		18.5 J	11.1	3.39 J	2.39 J	11.7	2.52 U	2.18 J	34.3
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		634	114.5	60.5	45.5	216	50.6	49.6	527
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		2.55 J	1.46 J	0.746 J	0.643 J	1.14 J	1.07 J	0.749 J	4.98 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.941 U	0.564 U	0.231 J	0.186 U	0.872 U	0.815 U	0.546 J	4.25 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		0.623 U	0.61 U	0.283 U	0.266 U	0.948 U	2.15 J	0.564 J	1.8945 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.2 U	0.502 J	0.273 U	0.262 U	0.424 U	0.362 U	0.341 U	1.44 J

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					Location ID	SIB-065-MLW	SIB-065-OHW	SIB-065-OHW	SIB-065-OHW	SIB-065-TOB	SIB-066-MLW	SIB-066-MLW	SIB-066-OHW
					Sample ID	SIB-065-MLW-0-1-10182022	SIB-065-OHW-0-1-10182022	SIB-065-OHW-1-2-10182022	SIB-065-OHW-2-3-10182022	SIB-065-TOB-0-1-10182022	SIB-066-MLW-0-1-10182022	SIB-066-MLW-1-2-10182022	SIB-066-OHW-0-1-10182022
TOTAL HpCDFs	pg/g	NE	NE	NE		23	11.5 J	3.8 J	2.66 J	17.2	1.19 J	2.65 J	50.9
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		2.5 J	0.95	0.43 J	0.42 J	1.7	1.2 J	0.64 J	3.1
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-065-MLW	SIB-065-OHW	SIB-065-OHW	SIB-065-OHW	SIB-065-TOB	SIB-066-MLW	SIB-066-MLW	SIB-066-OHW
					Sample ID	SIB-065-MLW-0-1-10182022	SIB-065-OHW-0-1-10182022	SIB-065-OHW-1-2-10182022	SIB-065-OHW-2-3-10182022	SIB-065-TOB-0-1-10182022	SIB-066-MLW-0-1-10182022	SIB-066-MLW-1-2-10182022	SIB-066-OHW-0-1-10182022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-065-MLW	SIB-065-OHW	SIB-065-OHW	SIB-065-OHW	SIB-065-TOB	SIB-066-MLW	SIB-066-MLW	SIB-066-OHW
					Sample ID	SIB-065-MLW-0-1-10182022	SIB-065-OHW-0-1-10182022	SIB-065-OHW-1-2-10182022	SIB-065-OHW-2-3-10182022	SIB-065-TOB-0-1-10182022	SIB-066-MLW-0-1-10182022	SIB-066-MLW-1-2-10182022	SIB-066-OHW-0-1-10182022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Location ID					SIB-065-MLW	SIB-065-OHW	SIB-065-OHW	SIB-065-OHW	SIB-065-TOB	SIB-066-MLW	SIB-066-MLW	SIB-066-OHW
Sample ID					SIB-065-MLW-0-1-10182022	SIB-065-OHW-0-1-10182022	SIB-065-OHW-1-2-10182022	SIB-065-OHW-2-3-10182022	SIB-065-TOB-0-1-10182022	SIB-066-MLW-0-1-10182022	SIB-066-MLW-1-2-10182022	SIB-066-OHW-0-1-10182022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	1100 J	NA	NA	NA	NA	NA	3210 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	2 U	1.9 U	NA	NA	1.9 U	2.3 U	NA	1.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	4.2 U	4.1 U	NA	NA	4 U	4.8 U	NA	4 U
ARSENIC	mg/kg	3	NE	NE	2.39	2.4	NA	NA	2.04	2.51	NA	**3.4**
CADMIUM	mg/kg	0.51	NE	NE	0.04 J	0.045 J	NA	NA	0.04 J	0.04 U	NA	0.11 J
COPPER	mg/kg	359	NE	NE	17.1 J	16.05 J	NA	NA	14.1 J	14 J	NA	20 J
LEAD	mg/kg	196	NE	NE	5.29	4.62	NA	NA	4.19	3.16	NA	6.26
ZINC	mg/kg	459	NE	NE	60.2	45.65	NA	NA	45.7	44.9	NA	66
MERCURY	mg/kg	0.085	NE	NE	0.00924 J	0.0219 J	NA	NA	0.0176 J	0.0087 J	NA	0.01485 J
Aroclor 1262	µg/kg	NE	NE	NE	0.6 U	0.6 U	NA	NA	0.6 U	0.6 U	NA	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	1.6 U	1.6 U	NA	NA	1.6 U	1.6 U	NA	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-065-MLW	SIB-065-OHW	SIB-065-OHW	SIB-065-OHW	SIB-065-TOB	SIB-066-MLW	SIB-066-MLW	SIB-066-OHW
					Sample ID	SIB-065-MLW-0-1-10182022	SIB-065-OHW-0-1-10182022	SIB-065-OHW-1-2-10182022	SIB-065-OHW-2-3-10182022	SIB-065-TOB-0-1-10182022	SIB-066-MLW-0-1-10182022	SIB-066-MLW-1-2-10182022	SIB-066-OHW-0-1-10182022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	1.6 U	1.6 U	NA	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	1.6 U	1.6 U	NA	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	1.6 U	1.6 U	NA	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	1.6 U	1.6 U	NA	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	1.6 U	1.6 U	NA	1.85 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		1 J	1.45 J	NA	NA	1.3 J	0.6 U	NA	2.7 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	NA	NA	0.6 U	0.6 U	NA	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		6.4	6.9	NA	NA	6.7	1.6 U	NA	**9.2**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		9.6 UJ	9.1 UJ	NA	NA	9.1 UJ	8.9 UJ	NA	9 UJ
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	0.38 U	NA	NA	0.37 U	0.45 U	NA	0.37 U
ACENAPHTHENE	µg/kg	NE	NE	NE		1.2 J	0.665 J	NA	NA	0.53 J	0.63 J	NA	0.985 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.58 J	0.705 J	NA	NA	0.65 J	0.37 J	NA	3.1 J
ANTHRACENE	µg/kg	NE	NE	NE		2.2 J	1.4 J	NA	NA	0.89 J	0.41 J	NA	4.2 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		11	5.2 J	NA	NA	0.23 U	1.1 J	NA	35 J
BENZO(A)PYRENE	µg/kg	NE	NE	NE		17	9.55	NA	NA	5.1	3.3 J	NA	48.5 J
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		20	8.05	NA	NA	4.7 J	1 J	NA	80 J
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		11	5.45 J	NA	NA	3 J	0.48 U	NA	25
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		7.5	3.4 J	NA	NA	1.6 J	0.51 J	NA	31 J
CHRYSENE	µg/kg	NE	NE	NE		15	5.75	NA	NA	2.9 J	0.83 J	NA	70.5 J
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		2.3 J	0.605 J	NA	NA	0.36 J	0.35 J	NA	6.35 J
FLUORANTHENE	µg/kg	NE	NE	NE		22	9.4	NA	NA	4.1 J	2.4 J	NA	74.5 J
FLUORENE	µg/kg	NE	NE	NE		0.86 J	0.83 J	NA	NA	0.66 J	0.77 J	NA	1.14 J
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		15	6.25	NA	NA	3.1 J	1.2 J	NA	33 J
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.5 U	0.48 U	NA	NA	0.47 U	0.57 U	NA	0.47 U
PHENANTHRENE	µg/kg	NE	NE	NE		8.7	4.75 J	NA	NA	2.4 J	2.8 J	NA	8.8
PYRENE	µg/kg	NE	NE	NE		20	10	NA	NA	4.3 J	0.39 U	NA	75 J
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		155	72.4	NA	NA	34.8	16.6	NA	497
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		24 J	12.1	NA	NA	6.3 J	4 J	NA	70
SOLIDS, PERCENT	%	NE	NE	NE		93.1	96.75	NA	NA	98.4	81	NA	97.15
TOTAL ORGANIC CARBON	%	NE	NE	NE		0.09 J	0.08 J	NA	NA	0.31	0.06 J	NA	0.585

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-066-OHW	SIB-066-OHW	SIB-066-TOB	SIB-066-TOB	SIB-066-TOB	SIB-067-MLW	SIB-067-MLW	SIB-067-OHW
					Sample ID	SIB-066-OHW-1-2-10182022	SIB-066-OHW-2-3-10182022	SIB-066-TOB-0-1-10182022	SIB-066-TOB-1-2-10182022	SIB-066-TOB-2-3-10182022	SIB-067-MLW-0-1-10142022	SIB-067-MLW-1-2-10142022	SIB-067-OHW-0-1-10142022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	NA	25	NA	NA	0.45 U	NA	2.2
2,4'-DDD	µg/kg	NE	NE	NE		NA	NA	0.27 U	NA	NA	0.26 U	NA	0.24 U
P,P'-DDD	µg/kg	NE	NE	NE		NA	NA	0.15 U	NA	NA	0.15 U	NA	0.13 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	NA	0.27 U	NA	NA	0.26 U	NA	0.24 U
O,P'-DDE	µg/kg	NE	NE	NE		NA	NA	0.33 U	NA	NA	0.33 UJ	NA	0.3 UJ
P,P'-DDE	µg/kg	NE	NE	NE		NA	NA	0.3 U	NA	NA	0.41	NA	0.26 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	NA	0.33 U	NA	NA	0.58	NA	0.3 U
O,P'-DDT	µg/kg	NE	NE	NE		NA	NA	0.4 U	NA	NA	0.39 UJ	NA	0.35 UJ
P,P'-DDT	µg/kg	NE	NE	NE		NA	NA	0.2 U	NA	NA	0.2 U	NA	0.22 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	NA	0.4 U	NA	NA	0.39 U	NA	0.4
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	NA	0.4 U	NA	NA	1.1	NA	0.86
ALDRIN	µg/kg	2	NE	NE		NA	NA	0.33 U	NA	NA	0.33 U	NA	0.3 U
DIELDRIN	µg/kg	0.07	NE	NE		NA	NA	0.33 U	NA	NA	0.32 U	NA	0.29 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	NA	0.13 U	NA	NA	0.13 U	NA	0.12 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	NA	0.26 U	NA	NA	0.26 U	NA	0.23 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	NA	0.27 U	NA	NA	0.27 U	NA	0.24 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	NA	0.41 U	NA	NA	0.4 U	NA	0.36 U
Oxychlordane	µg/kg	NE	NE	NE		NA	NA	0.55 U	NA	NA	0.54 U	NA	0.49 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	NA	0.25 U	NA	NA	0.24 U	NA	0.22 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	NA	0.55 U	NA	NA	0.54 U	NA	0.49 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.226 U	0.382 U	0.871 U	0.222 U	0.195 U	4.1 J	0.132 U	552
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		12.4	13.1	6.92 J	13.4	9.65	45.4	6.19 J	11500
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.303 U	0.513 U	1.34 U	0.295 U	0.251 U	0.398 J	0.199 J	24.8 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		0.17 U	0.331 U	0.641 U	0.119 U	0.119 U	0.233 UJ	0.111 U	**65.4 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.226 U	0.497 U	1.25 U	0.241 U	0.237 U	0.704 J	0.199 U	52.1
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.165 U	0.323 UJ	0.649 U	0.116 U	0.117 UJ	0.288 J	0.113 UJ	35.9 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.559 J	0.66 J	1.2 U	0.625 J	0.56 J	1.91 J	0.307 J	413
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.242 U	0.456 U	1.02 U	0.166 U	0.171 U	0.32 U	0.165 U	38.9 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.226 UJ	0.487 UJ	1.23 U	0.237 U	0.233 U	0.831 J	0.199 U	102
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.28 U	0.515 UJ	0.773 U	0.313 U	0.197 U	0.274 U	0.151 U	17 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.238 U	0.414 U	0.665 U	0.212 U	0.191 U	**0.318 J**	0.0998 U	**23.8 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.18 U	0.337 U	0.61 U	0.123 UJ	0.129 UJ	0.338 J	0.123 U	37.9 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.266 U	0.487 U	0.663 U	0.279 U	0.185 U	0.267 U	0.133 U	**42 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.367 U	0.715 U	0.893 U	0.293 J	0.319 U	0.324 U	0.264 J	4.91 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.285 U	0.45 U	**0.404 J**	0.239 U	0.271 U	0.276 U	0.104 U	3.72 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		26.2	27.4	16.3	25.9	19.4	84.9	12.4	19400
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.19 J	5.26 J	2.35 J	4.68 J	4.03 J	8.22	1.89 J	1550
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.62 J	4.49 J	1.36 J	4.15 J	3.32 J	11.4	1.74 J	1380
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		8.44 J	8.64 J	4.61 J	7.38 J	6.72 J	7.59 J	3.49 J	228
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		137	177	69.3	129	111	413	69.8	87800 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		2.47 J	2.52 J	0.829 J	2.36 J	2.89 J	1.76	2.59 J	365
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.325 J	0.414 U	0.665 U	0.855 J	0.215 J	0.736	0.114 J	56.2
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		0.367 U	0.715 U	0.893 U	0.627 J	0.356 J	0.324 U	0.624 J	11.1
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.285 U	0.45 U	0.404 J	0.239 U	0.271 U	0.276 U	0.104 U	3.72 U

Attachment C.1 (continued)
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					Location ID	SIB-066-OHW	SIB-066-OHW	SIB-066-TOB	SIB-066-TOB	SIB-066-TOB	SIB-067-MLW	SIB-067-MLW	SIB-067-OHW
					Sample ID	SIB-066-OHW-1-2-10182022	SIB-066-OHW-2-3-10182022	SIB-066-TOB-0-1-10182022	SIB-066-TOB-1-2-10182022	SIB-066-TOB-2-3-10182022	SIB-067-MLW-0-1-10142022	SIB-067-MLW-1-2-10142022	SIB-067-OHW-0-1-10142022
TOTAL HpCDFs	pg/g	NE	NE	NE		9.95 J	10.5 J	5.53 J	9.45 J	8.02 J	13.5	4.07 J	1720
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		0.61 J	0.93 J	1.3 J	0.59 J	0.52 J	1.6 J	0.31 J	**261 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		13.3	NA	NA	13.9	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		5.36	NA	NA	5.07	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		12.1	NA	NA	13.3	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		5.94	NA	NA	5.81	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		5.13	NA	NA	6.5	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		35.9	NA	NA	38.6	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		28.5	NA	NA	25.9	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		11.4	NA	NA	11.8	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		9.99	NA	NA	10.4	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		11.4	NA	NA	11.9	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		13.6	NA	NA	14.1	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		13.4	NA	NA	13.6	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		50.6	NA	NA	44.1	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		11.3	NA	NA	11.7	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		12	NA	NA	12.5	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		94.4	NA	NA	58.2	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		22.9	NA	NA	15.7	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		19.1	NA	NA	10.9	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		49.4	NA	NA	50.9	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		59.1	NA	NA	39.8	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		5.96	NA	NA	5.09	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		5.5	NA	NA	4.61	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		32.7	NA	NA	20.9	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		14.7	NA	NA	20.6	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		206	NA	NA	129	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		5.46	NA	NA	4.67	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		9.04	NA	NA	7.02	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		39.2	NA	NA	30.2	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		4.07	NA	NA	3.5	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		163	NA	NA	90.7	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		4.27	NA	NA	3.66	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		4.21	NA	NA	3.82	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		4.95	NA	NA	4.14	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		21.2	NA	NA	13.9	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		7.67	NA	NA	5.96	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		7.73	NA	NA	6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		33.8	NA	NA	32.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		11.8	NA	NA	12.5	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		280	NA	NA	196	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		24.4	NA	NA	28.6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		12.4	NA	NA	9.6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		11.8	NA	NA	9.16	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		29.5	NA	NA	26.3	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-066-OHW	SIB-066-OHW	SIB-066-TOB	SIB-066-TOB	SIB-066-TOB	SIB-067-MLW	SIB-067-MLW	SIB-067-OHW
					Sample ID	SIB-066-OHW-1-2-10182022	SIB-066-OHW-2-3-10182022	SIB-066-TOB-0-1-10182022	SIB-066-TOB-1-2-10182022	SIB-066-TOB-2-3-10182022	SIB-067-MLW-0-1-10142022	SIB-067-MLW-1-2-10142022	SIB-067-OHW-0-1-10142022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		12.8	NA	NA	9.94	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		7.69	NA	NA	8.53	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		10.4	NA	NA	8.09	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		9.52	NA	NA	7.4	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		9.7	NA	NA	10.5	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		50.1	NA	NA	34.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		11.1	NA	NA	8.65	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		12.3	NA	NA	9.58	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		5.64	NA	NA	4.63	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		5.25	NA	NA	4.43	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		68.4	NA	NA	82.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		4.05	NA	NA	3.32	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		3.78	NA	NA	3.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		4.23	NA	NA	3.48	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		225	NA	NA	118	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		4.43	NA	NA	3.64	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		3.24	NA	NA	2.94	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		16.7	NA	NA	14	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		16	NA	NA	12.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		5.03	NA	NA	4.29	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		16	NA	NA	12.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		5.03	NA	NA	4.29	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		4.63	NA	NA	3.96	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		7.61	NA	NA	5.92	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		8.03	NA	NA	6.24	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		16.2	NA	NA	15	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		8.17	NA	NA	6.34	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		6.34	NA	NA	5.13	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		33.4	NA	NA	29.6	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		9.66	NA	NA	4.59	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		9.6	NA	NA	11.5	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		74.2	NA	NA	36.3	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		27.9	NA	NA	16.1	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		32.3	NA	NA	14.5	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		7.27	NA	NA	7.04	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		88.9	NA	NA	52.9	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		6.18	NA	NA	4.97	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		18.3	NA	NA	12.1	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		56.7	NA	NA	31.3	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		5.17	NA	NA	4.12	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		9.04	NA	NA	4.65	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		13	NA	NA	10.8	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		7.75	NA	NA	7.97	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		9.78	NA	NA	10.1	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		6.85	NA	NA	7.06	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		9.28	NA	NA	6.72	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		15	NA	NA	14.1	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-066-OHW	SIB-066-OHW	SIB-066-TOB	SIB-066-TOB	SIB-066-TOB	SIB-067-MLW	SIB-067-MLW	SIB-067-OHW
					Sample ID	SIB-066-OHW-1-2-10182022	SIB-066-OHW-2-3-10182022	SIB-066-TOB-0-1-10182022	SIB-066-TOB-1-2-10182022	SIB-066-TOB-2-3-10182022	SIB-067-MLW-0-1-10142022	SIB-067-MLW-1-2-10142022	SIB-067-OHW-0-1-10142022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		26.2	NA	NA	21.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		8.19	NA	NA	8.41	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		6.95	NA	NA	7.16	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		6.44	NA	NA	6.62	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		7.53	NA	NA	7.75	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		6.54	NA	NA	6.72	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		6.18	NA	NA	6.36	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		24.4	NA	NA	20.8	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		2.25	NA	NA	1.75	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		18.2	NA	NA	12.9	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		6.7	NA	NA	6.88	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		1.65	NA	NA	1.53	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		6.85	NA	NA	8.49	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		3.81	NA	NA	4.73	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		4.01	NA	NA	4.99	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		5.31	NA	NA	6.6	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		3.36	NA	NA	4.17	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		40.1	NA	NA	45.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		4.63	NA	NA	4.77	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		4.21	NA	NA	4.33	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		4.63	NA	NA	4.77	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		4.21	NA	NA	4.33	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		4.05	NA	NA	4.89	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		3.97	NA	NA	4.67	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		22.6	NA	NA	21.9	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		5.01	NA	NA	5.15	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		4.61	NA	NA	4.73	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		5.13	NA	NA	5.9	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		4.09	NA	NA	5.09	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		2170	NA	NA	1620	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		15.7	NA	NA	17.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		6.76	NA	NA	7.46	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		7.49	NA	NA	8.27	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		10.6	NA	NA	11.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		11.8	NA	NA	9.98	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		8.74	NA	NA	9.64	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		2.7	NA	NA	2.74	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		2.62	NA	NA	2.68	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		6.22	NA	NA	6.86	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		7.49	NA	NA	8.27	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		2.5	NA	NA	2.54	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		12.9	NA	NA	10.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		2.07	NA	NA	2.49	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		4.03	NA	NA	6.04	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		3.68	NA	NA	5.51	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		3.93	NA	NA	5.9	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		3.83	NA	NA	5.75	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-066-OHW	SIB-066-OHW	SIB-066-TOB	SIB-066-TOB	SIB-066-TOB	SIB-067-MLW	SIB-067-MLW	SIB-067-OHW
					Sample ID	SIB-066-OHW-1-2-10182022	SIB-066-OHW-2-3-10182022	SIB-066-TOB-0-1-10182022	SIB-066-TOB-1-2-10182022	SIB-066-TOB-2-3-10182022	SIB-067-MLW-0-1-10142022	SIB-067-MLW-1-2-10142022	SIB-067-OHW-0-1-10142022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		5.7	NA	NA	6.28	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		3.8	NA	NA	5.69	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		6.6	NA	NA	8.31	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		3.81	NA	NA	5.73	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		3.48	NA	NA	5.21	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		3.18	NA	NA	4.77	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		5.38	NA	NA	5.94	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		3.72	NA	NA	5.57	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		5.52	NA	NA	6.08	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		4.15	NA	NA	6.12	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		3.68	NA	NA	5.53	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		4.29	NA	NA	6.44	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		3.34	NA	NA	5.03	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		3.81	NA	NA	5.39	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		4.75	NA	NA	4.89	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		4.79	NA	NA	4.93	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		4.45	NA	NA	4.17	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		6.97	NA	NA	7.34	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		7.79	NA	NA	7.57	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		3.52	NA	NA	3.62	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		3.5	NA	NA	3.6	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		2.88	NA	NA	2.96	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		3.32	NA	NA	3.42	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		3.81	NA	NA	3.92	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		3.36	NA	NA	3.46	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		3.83	NA	NA	3.94	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		3.76	NA	NA	3.88	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		4.49	NA	NA	5.09	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		3.36	NA	NA	3.46	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		5.52	NA	NA	5.49	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		5.05	NA	NA	5.03	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		5.05	NA	NA	6.78	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		5.31	NA	NA	5.29	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		5.54	NA	NA	5.53	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		2470 J	NA	NA	1910 J	NA	NA	NA	1820 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	NA	1.9 U	NA	NA	1.9 U	NA	1.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	NA	4 U	NA	NA	4.1 U	NA	4 U
ARSENIC	mg/kg	3	NE	NE		2.74 J	2.3 J	1.74	NA	NA	2.56 J	NA	2.27 J
CADMIUM	mg/kg	0.51	NE	NE		0.06 J	0.07 J	0.05 J	NA	NA	0.05 J	NA	0.05 J
COPPER	mg/kg	359	NE	NE		17.9	17.5	16.5 J	NA	NA	17.9	NA	17.4
LEAD	mg/kg	196	NE	NE		4.6 J	4.55 J	4.28	NA	NA	4.96 J	NA	3.94 J
ZINC	mg/kg	459	NE	NE		49.8	49	43.6	NA	NA	62.3	NA	49.7
MERCURY	mg/kg	0.085	NE	NE		0.0185 J	0.0206 J	0.0228	NA	NA	0.012 J	NA	0.0161 J
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	NA	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

				Location ID	SIB-066-OHW	SIB-066-OHW	SIB-066-TOB	SIB-066-TOB	SIB-066-TOB	SIB-067-MLW	SIB-067-MLW	SIB-067-OHW
				Sample ID	SIB-066-OHW-1-2-10182022	SIB-066-OHW-2-3-10182022	SIB-066-TOB-0-1-10182022	SIB-066-TOB-1-2-10182022	SIB-066-TOB-2-3-10182022	SIB-067-MLW-0-1-10142022	SIB-067-MLW-1-2-10142022	SIB-067-OHW-0-1-10142022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	1.6 U	1.6 U	5.2	1.6 U	1.6 U	1.6 U	NA	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	1.6 U	1.6 U	3.9 J	1.6 U	1.6 U	1.6 U	NA	4.1 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	0.6 U	3 J	1.4 J	2.6 J	2.1 J	2.3 J	NA	3.6 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	NA	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	1.6 U	8.4	**14.3**	8	7.5	7.7	NA	**12.3**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	NA	NA	9 UJ	NA	NA	44 J	NA	14 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	NA	NA	0.37 U	NA	NA	0.37 U	NA	0.37 U
ACENAPHTHENE	µg/kg	NE	NE	NE	NA	NA	0.3 U	NA	NA	0.3 U	NA	0.3 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE	NA	NA	0.28 U	NA	NA	0.28 U	NA	0.28 U
ANTHRACENE	µg/kg	NE	NE	NE	NA	NA	0.43 J	NA	NA	0.4 J	NA	9.8
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	NA	NA	2.9 J	NA	NA	2.9 J	NA	5.7
BENZO(A)PYRENE	µg/kg	NE	NE	NE	NA	NA	7.2	NA	NA	0.38 U	NA	0.38 U
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	NA	NA	5.5	NA	NA	4.8 J	NA	14
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	NA	NA	4.3 J	NA	NA	3.5 J	NA	4.2 J
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	NA	NA	2 J	NA	NA	2 J	NA	4.6 J
CHRYSENE	µg/kg	NE	NE	NE	NA	NA	3.5 J	NA	NA	3.1 J	NA	18
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	NA	NA	0.44 J	NA	NA	0.51 J	NA	0.8 J
FLUORANTHENE	µg/kg	NE	NE	NE	NA	NA	4.9	NA	NA	5.1	NA	35
FLUORENE	µg/kg	NE	NE	NE	NA	NA	0.57 U	NA	NA	0.57 U	NA	0.57 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	NA	NA	4.4 J	NA	NA	3.9 J	NA	5.5
NAPHTHALENE	µg/kg	NE	NE	1E+05	NA	NA	0.47 U	NA	NA	0.47 U	NA	0.47 U
PHENANTHRENE	µg/kg	NE	NE	NE	NA	NA	2.2 J	NA	NA	0.59 U	NA	0.59 U
PYRENE	µg/kg	NE	NE	NE	NA	NA	5.5	NA	NA	5.2	NA	24
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	NA	NA	44.3	NA	NA	32.9	NA	123
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	NA	NA	8.9 J	NA	NA	1.9 J	NA	3.6 J
SOLIDS, PERCENT	%	NE	NE	NE	NA	NA	97.5	NA	NA	94.1	NA	97.2
TOTAL ORGANIC CARBON	%	NE	NE	NE	NA	NA	0.4	NA	NA	0.07 J	NA	0.21

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-067-OHW	SIB-067-TOB	SIB-067-TOB	SIB-067-TOB	SIB-068-MLW	SIB-068-OHW	SIB-068-OHW
					Sample ID	SIB-067-OHW-1-2-10142022	SIB-067-OHW-2-3-10142022	SIB-067-TOB-0-1-10142022	SIB-067-TOB-1-2-10142022	SIB-067-TOB-2-3-10142022	SIB-068-MLW-0-1-10142022	SIB-068-OHW-0-1-10142022	SIB-068-OHW-1-2-10142022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	NA	5	NA	NA	0.46 UJ	15 J	NA
2,4'-DDD	µg/kg	NE	NE	NE		NA	NA	0.26 U	NA	NA	0.34 U	0.28 U	NA
P,P'-DDD	µg/kg	NE	NE	NE		NA	NA	0.15 U	NA	NA	0.19 U	0.16 U	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	NA	0.26 U	NA	NA	0.34 U	0.28 U	NA
O,P'-DDE	µg/kg	NE	NE	NE		NA	NA	0.33 UJ	NA	NA	0.42 U	0.35 U	NA
P,P'-DDE	µg/kg	NE	NE	NE		NA	NA	0.29 U	NA	NA	0.37 U	0.31 U	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	NA	0.33 U	NA	NA	0.42 U	0.35 U	NA
O,P'-DDT	µg/kg	NE	NE	NE		NA	NA	0.39 UJ	NA	NA	0.5 UJ	0.41 UJ	NA
P,P'-DDT	µg/kg	NE	NE	NE		NA	NA	0.2 U	NA	NA	0.25 UJ	0.21 UJ	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	NA	0.39 U	NA	NA	0.5 U	0.41 U	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	NA	0.39 U	NA	NA	0.5 U	0.41 U	NA
ALDRIN	µg/kg	2	NE	NE		NA	NA	0.33 U	NA	NA	0.42 U	0.35 U	NA
DIELDRIN	µg/kg	0.07	NE	NE		NA	NA	0.32 U	NA	NA	0.41 U	0.34 U	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	NA	0.13 U	NA	NA	0.17 U	0.14 U	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	NA	0.26 U	NA	NA	0.33 U	0.28 U	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	NA	0.26 U	NA	NA	0.34 U	0.28 U	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	NA	0.4 U	NA	NA	0.52 U	0.43 U	NA
Oxychlordane	µg/kg	NE	NE	NE		NA	NA	0.53 U	NA	NA	0.69 U	0.57 U	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	NA	0.24 U	NA	NA	0.31 U	0.26 U	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	NA	0.53 U	NA	NA	0.69 U	0.57 U	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		38.5	97.9	37.6 J	13.7	0.156 U	3.14 J	16.9	14.3
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		717	1700	832 J	219	38.3	19	87.8	79.6
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.83 J	4.28 J	1.87 J	0.684 J	0.214 U	1.45 U	1.31 J	1.09 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**4.78 J**	**13.3**	**4.83 J**	0.17 U	0.123 U	0.75 U	**3.41 J**	**3.81 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.93 J	13.2	4.63 J	2.08 J	0.204 U	0.863 U	0.984 U	0.369 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.55 J	7.31	2.23 J	0.17 U	0.12 UJ	0.795 U	1.28 J	0.262 UJ
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		30.3	86.9	31.1	11.5	2.07 J	0.886 U	4.33 J	3.13 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.41 J	7.15	2.64 J	0.887 J	0.174 J	1.14 U	0.802 U	0.395 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		9.65	25.5	10	3.94 J	0.198 U	0.878 U	2.11 J	1.62 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.371 U	4.31 J	1.71 J	0.165 U	0.264 U	0.479 U	6.08	8.26
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**2.07 J**	**4.54**	**1.44 J**	**0.76 J**	0.228 U	0.564 U	0.544 U	0.393 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.14 J	9.17	3.11 J	0.177 UJ	0.123 UJ	0.789 U	1.31 J	0.284 U
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**2.76 J**	**8.21**	**3.12 J**	0.159 U	0.248 U	0.425 U	0.818 U	0.91 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.557 U	**1.05**	**0.602 J**	0.364 J	0.267 U	0.741 U	**0.622 J**	**0.787 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.403 U	0.341 U	0.232 U	0.225 U	0.22 U	0.506 U	0.398 U	0.314 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		1180	2840	1420	361	66.2	37.2	175	156
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		89.6 J	268 J	107	30.9 J	6.32 J	3.57 J	28.8 J	24.3 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		103 J	296 J	113	40.3 J	8.48 J	4.83 J	22.8 J	19.8 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		24.5	43.1	25.7	11.8	6.57 J	6.63 J	35.1	36.6
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5540 J	11500 J	6400 J	1560	321	128	934	920
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		16.9 J	52.9 J	29.4	6.84 J	2.37 J	1.26 J	27.3 J	29.7 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		5.34 J	15.5 J	3.58	2.37 J	0.228 U	0.564 U	1.01 J	4.65 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		0.557 U	6.24 J	1.81	1.19 J	0.267 U	0.741 U	3.2	7.47 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.403 U	0.341 U	0.232 U	0.225 U	0.22 U	0.506 U	0.398 U	0.53 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-067-OHW	SIB-067-OHW	SIB-067-TOB	SIB-067-TOB	SIB-067-TOB	SIB-068-MLW	SIB-068-OHW	SIB-068-OHW
					Sample ID	SIB-067-OHW-1-2-10142022	SIB-067-OHW-2-3-10142022	SIB-067-TOB-0-1-10142022	SIB-067-TOB-1-2-10142022	SIB-067-TOB-2-3-10142022	SIB-068-MLW-0-1-10142022	SIB-068-OHW-0-1-10142022	SIB-068-OHW-1-2-10142022
TOTAL HpCDFs	pg/g	NE	NE	NE		108 J	283 J	118	36.4 J	10 J	1.13 U	54.2 J	47.2 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**18.2 J**	**45.1 J**	**19.1 J**	5.6 J	1 J	1.2 J	3.5 J	3 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	9.91	NA	NA	NA	NA	NA	13.4
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	4.76	NA	NA	NA	NA	NA	5.3
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	9.16	NA	NA	NA	NA	NA	12.1
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	5.3	NA	NA	NA	NA	NA	5.82
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	4.58	NA	NA	NA	NA	NA	5
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	9.93	NA	NA	NA	NA	NA	112
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	19.5	NA	NA	NA	NA	NA	26
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	8.46	NA	NA	NA	NA	NA	11.4
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	7.45	NA	NA	NA	NA	NA	10
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	8.5	NA	NA	NA	NA	NA	11.5
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	10.1	NA	NA	NA	NA	NA	13.6
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	9.05	NA	NA	NA	NA	NA	12.1
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	30.1	NA	NA	NA	NA	NA	43.7
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	8.4	NA	NA	NA	NA	NA	11.3
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	8.96	NA	NA	NA	NA	NA	12.1
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	29.6	NA	NA	NA	NA	NA	1550
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	8.55	NA	NA	NA	NA	NA	461
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	5.65	NA	NA	NA	NA	NA	301
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	22.2	NA	NA	NA	NA	NA	1610
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	21.1	NA	NA	NA	NA	NA	1350
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	4.32	NA	NA	NA	NA	NA	66.4
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	3.24	NA	NA	NA	NA	NA	191
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	8.68	NA	NA	NA	NA	NA	542
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	6.99	NA	NA	NA	NA	NA	808
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	58.1	NA	NA	NA	NA	NA	3870
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	3.97	NA	NA	NA	NA	NA	28.6
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	3.94	NA	NA	NA	NA	NA	8.79
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	15.2	NA	NA	NA	NA	NA	1040
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	2.96	NA	NA	NA	NA	NA	4.86
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	46.1	NA	NA	NA	NA	NA	2760
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	3.11	NA	NA	NA	NA	NA	5.08
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	3.29	NA	NA	NA	NA	NA	5.24
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	4.36	NA	NA	NA	NA	NA	61
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	4.34	NA	NA	NA	NA	NA	337
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	3.33	NA	NA	NA	NA	NA	66.8
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	3.37	NA	NA	NA	NA	NA	7.51
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	7.85	NA	NA	NA	NA	NA	198
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	7.21	NA	NA	NA	NA	NA	190
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	57.9	NA	NA	NA	NA	NA	3160
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	9.23	NA	NA	NA	NA	NA	572
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	7.54	NA	NA	NA	NA	NA	28.7
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	7.19	NA	NA	NA	NA	NA	170
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	8.5	NA	NA	NA	NA	NA	1210

Attachment C.1 (continued)
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					Location ID	SIB-067-OHW	SIB-067-OHW	SIB-067-TOB	SIB-067-TOB	SIB-067-TOB	SIB-068-MLW	SIB-068-OHW	SIB-068-OHW
					Sample ID	SIB-067-OHW-1-2-10142022	SIB-067-OHW-2-3-10142022	SIB-067-TOB-0-1-10142022	SIB-067-TOB-1-2-10142022	SIB-067-TOB-2-3-10142022	SIB-068-MLW-0-1-10142022	SIB-068-OHW-0-1-10142022	SIB-068-OHW-1-2-10142022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	7.8	NA	NA	NA	NA	NA	78.7
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	1.88	NA	NA	NA	NA	NA	147
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	7.26	NA	NA	NA	NA	NA	39
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	5.81	NA	NA	NA	NA	NA	82.6
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	5.9	NA	NA	NA	NA	NA	322
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	13.5	NA	NA	NA	NA	NA	1410
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	6.79	NA	NA	NA	NA	NA	25.8
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	7.52	NA	NA	NA	NA	NA	28.6
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	2.22	NA	NA	NA	NA	NA	46.9
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	2.21	NA	NA	NA	NA	NA	42.5
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	24.4	NA	NA	NA	NA	NA	2650
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	1.6	NA	NA	NA	NA	NA	2.93
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	1.49	NA	NA	NA	NA	NA	14.8
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	1.67	NA	NA	NA	NA	NA	3.05
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	37.1	NA	NA	NA	NA	NA	3690
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	1.75	NA	NA	NA	NA	NA	198
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	1.53	NA	NA	NA	NA	NA	2.51
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	4.54	NA	NA	NA	NA	NA	77
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	4.21	NA	NA	NA	NA	NA	131
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	2.48	NA	NA	NA	NA	NA	10.8
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	2.3	NA	NA	NA	NA	NA	9.92
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	4.63	NA	NA	NA	NA	NA	17.7
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	4.89	NA	NA	NA	NA	NA	18.6
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	4.38	NA	NA	NA	NA	NA	274
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	4.98	NA	NA	NA	NA	NA	19
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	2.78	NA	NA	NA	NA	NA	13.1
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	11.7	NA	NA	NA	NA	NA	290
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	2.34	NA	NA	NA	NA	NA	37.3
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	3.2	NA	NA	NA	NA	NA	64.2
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	20	NA	NA	NA	NA	NA	1060
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	7.76	NA	NA	NA	NA	NA	514
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	8.96	NA	NA	NA	NA	NA	456
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	3.27	NA	NA	NA	NA	NA	154
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	25.2	NA	NA	NA	NA	NA	1160
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	2.59	NA	NA	NA	NA	NA	124
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	5.17	NA	NA	NA	NA	NA	206
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	15.9	NA	NA	NA	NA	NA	693
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	2.67	NA	NA	NA	NA	NA	3.45
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	2.78	NA	NA	NA	NA	NA	55.6
PCB-167	pg/g	NE	NE	NE		NA	3.51	NA	NA	NA	NA	NA	85
PCB-82	pg/g	NE	NE	NE		NA	4.49	NA	NA	NA	NA	NA	12.3
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	5.65	NA	NA	NA	NA	NA	11.8
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	3.97	NA	NA	NA	NA	NA	21
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	3.07	NA	NA	NA	NA	NA	24.5
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	6.6	NA	NA	NA	NA	NA	61.2

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-067-OHW	SIB-067-OHW	SIB-067-TOB	SIB-067-TOB	SIB-067-TOB	SIB-068-MLW	SIB-068-OHW	SIB-068-OHW
					Sample ID	SIB-067-OHW-1-2-10142022	SIB-067-OHW-2-3-10142022	SIB-067-TOB-0-1-10142022	SIB-067-TOB-1-2-10142022	SIB-067-TOB-2-3-10142022	SIB-068-MLW-0-1-10142022	SIB-068-OHW-0-1-10142022	SIB-068-OHW-1-2-10142022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	9.03	NA	NA	NA	NA	NA	302
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	4.73	NA	NA	NA	NA	NA	9.68
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	4.03	NA	NA	NA	NA	NA	84.2
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	3.73	NA	NA	NA	NA	NA	7.63
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	4.36	NA	NA	NA	NA	NA	95.5
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	3.79	NA	NA	NA	NA	NA	7.73
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	3.59	NA	NA	NA	NA	NA	13.7
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	7.43	NA	NA	NA	NA	NA	182
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	1.56	NA	NA	NA	NA	NA	2.69
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	5.13	NA	NA	NA	NA	NA	280
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	3.88	NA	NA	NA	NA	NA	15.6
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	1.32	NA	NA	NA	NA	NA	2.19
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	2.74	NA	NA	NA	NA	NA	27
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	2.56	NA	NA	NA	NA	NA	11.4
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	2.68	NA	NA	NA	NA	NA	12
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	3.55	NA	NA	NA	NA	NA	15.9
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	2.24	NA	NA	NA	NA	NA	11.3
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	11.8	NA	NA	NA	NA	NA	264
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	2.68	NA	NA	NA	NA	NA	5.58
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	2.43	NA	NA	NA	NA	NA	4.98
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	2.67	NA	NA	NA	NA	NA	12.1
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	2.59	NA	NA	NA	NA	NA	11.8
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	8.72	NA	NA	NA	NA	NA	93.3
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	2.91	NA	NA	NA	NA	NA	23.8
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	2.67	NA	NA	NA	NA	NA	5.44
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	3.03	NA	NA	NA	NA	NA	13.8
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	2.74	NA	NA	NA	NA	NA	12.2
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	617	NA	NA	NA	NA	NA	36600
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	9.21	NA	NA	NA	NA	NA	44.1
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	4.54	NA	NA	NA	NA	NA	7.33
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	5.04	NA	NA	NA	NA	NA	8.13
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	7.1	NA	NA	NA	NA	NA	11.5
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	4.6	NA	NA	NA	NA	NA	25.9
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	5.88	NA	NA	NA	NA	NA	9.49
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	1.31	NA	NA	NA	NA	NA	2.95
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	1.31	NA	NA	NA	NA	NA	7.01
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	4.17	NA	NA	NA	NA	NA	18.3
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	5.04	NA	NA	NA	NA	NA	8.13
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	1.21	NA	NA	NA	NA	NA	4.46
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	5.88	NA	NA	NA	NA	NA	38.8
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	1.32	NA	NA	NA	NA	NA	2.37
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	2.96	NA	NA	NA	NA	NA	8.97
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	2.7	NA	NA	NA	NA	NA	6.26
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	2.89	NA	NA	NA	NA	NA	6.7
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	2.81	NA	NA	NA	NA	NA	6.52

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-067-OHW	SIB-067-OHW	SIB-067-TOB	SIB-067-TOB	SIB-067-TOB	SIB-068-MLW	SIB-068-OHW	SIB-068-OHW
				Sample ID	SIB-067-OHW-1-2-10142022	SIB-067-OHW-2-3-10142022	SIB-067-TOB-0-1-10142022	SIB-067-TOB-1-2-10142022	SIB-067-TOB-2-3-10142022	SIB-068-MLW-0-1-10142022	SIB-068-OHW-0-1-10142022	SIB-068-OHW-1-2-10142022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	3.82	NA	NA	NA	NA	NA	6.18
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	2.8	NA	NA	NA	NA	NA	6.46
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	4.32	NA	NA	NA	NA	NA	23.7
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	2.81	NA	NA	NA	NA	NA	6.5
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	2.56	NA	NA	NA	NA	NA	5.92
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	2.34	NA	NA	NA	NA	NA	5.42
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	3.62	NA	NA	NA	NA	NA	6.5
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	2.72	NA	NA	NA	NA	NA	6.32
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	3.71	NA	NA	NA	NA	NA	5.98
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	2.89	NA	NA	NA	NA	NA	7.23
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	2.7	NA	NA	NA	NA	NA	6.26
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	3.16	NA	NA	NA	NA	NA	7.33
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	2.46	NA	NA	NA	NA	NA	5.7
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	2.56	NA	NA	NA	NA	NA	6.2
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	3.37	NA	NA	NA	NA	NA	5.7
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	3.4	NA	NA	NA	NA	NA	5.74
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	2.89	NA	NA	NA	NA	NA	5.8
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	5.41	NA	NA	NA	NA	NA	7.97
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	4.01	NA	NA	NA	NA	NA	15.6
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	2.5	NA	NA	NA	NA	NA	5.24
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	2.28	NA	NA	NA	NA	NA	7.05
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	2.04	NA	NA	NA	NA	NA	3.45
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	2.35	NA	NA	NA	NA	NA	3.97
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	2.7	NA	NA	NA	NA	NA	4.58
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	2.37	NA	NA	NA	NA	NA	4.01
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	2.72	NA	NA	NA	NA	NA	4.6
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	2.67	NA	NA	NA	NA	NA	4.5
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	3.64	NA	NA	NA	NA	NA	9.53
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	2.39	NA	NA	NA	NA	NA	4.03
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	3.31	NA	NA	NA	NA	NA	7.11
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	3.03	NA	NA	NA	NA	NA	6.5
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	2.98	NA	NA	NA	NA	NA	8.31
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	3.18	NA	NA	NA	NA	NA	6.84
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	3.33	NA	NA	NA	NA	NA	7.15
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	826 J	NA	NA	NA	NA	NA	36900 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	NA	NA	2.1 U	NA	NA	2 U	1.9 U	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	NA	NA	4.5 U	NA	NA	4.2 UJ	30 J	NA
ARSENIC	mg/kg	3	NE	NE	NA	NA	1.89 J	NA	NA	2.27	**3.1**	**3.01 J**
CADMIUM	mg/kg	0.51	NE	NE	NA	NA	0.03 J	NA	NA	0.05 J	0.07 J	0.05 J
COPPER	mg/kg	359	NE	NE	NA	NA	15.8	NA	NA	14.2	22.4	20.4
LEAD	mg/kg	196	NE	NE	NA	NA	3.25 J	NA	NA	3.56	11.9	10.7 J
ZINC	mg/kg	459	NE	NE	NA	NA	48.9	NA	NA	49.2	67.1	62
MERCURY	mg/kg	0.085	NE	NE	NA	NA	0.0512	NA	NA	0.00633 J	0.0396	0.0243 J
Aroclor 1262	µg/kg	NE	NE	NE	0.6 U	0.6 U	0.6 U	NA	NA	0.6 U	2.9 R	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	1.6 U	1.6 U	1.6 U	NA	NA	1.6 U	7.8 UJ	1.6 U

Attachment C.1 (continued)
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					Location ID	SIB-067-OHW	SIB-067-OHW	SIB-067-TOB	SIB-067-TOB	SIB-067-TOB	SIB-068-MLW	SIB-068-OHW	SIB-068-OHW
					Sample ID	SIB-067-OHW-1-2-10142022	SIB-067-OHW-2-3-10142022	SIB-067-TOB-0-1-10142022	SIB-067-TOB-1-2-10142022	SIB-067-TOB-2-3-10142022	SIB-068-MLW-0-1-10142022	SIB-068-OHW-0-1-10142022	SIB-068-OHW-1-2-10142022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	NA	NA	1.6 U	7.8 UJ	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	NA	NA	1.6 U	7.8 UJ	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	NA	NA	1.6 U	7.8 UJ	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	NA	NA	1.6 U	7.8 R	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	NA	NA	1.6 U	17.3 J	7.1 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	NA	NA	1.4 J	44 J	34.6 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	NA	NA	0.6 U	2.9 R	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		1.6 U	1.6 U	1.6 U	NA	NA	6.8	**76.9 A**	**46.3**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		NA	NA	23 J	NA	NA	9.5 UJ	9.2 UJ	NA
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	NA	0.41 U	NA	NA	0.39 U	0.39 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	NA	0.86 J	NA	NA	0.66 J	14	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	NA	0.31 U	NA	NA	0.3 U	0.29 U	NA
ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	1.2 J	NA	NA	0.53 J	33	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	5 J	NA	NA	0.25 U	150	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	NA	13	NA	NA	4.6 J	160	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	9.8	NA	NA	4 J	190	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	NA	10	NA	NA	2.2 J	78	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	3.3 J	NA	NA	1.9 J	73	NA
CHRYSENE	µg/kg	NE	NE	NE		NA	NA	6.2	NA	NA	4.3 J	160	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	0.92 J	NA	NA	0.36 J	22	NA
FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	11	NA	NA	4.4 J	280	NA
FLUORENE	µg/kg	NE	NE	NE		NA	NA	0.64 U	NA	NA	0.6 U	0.59 U	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	NA	10	NA	NA	2.7 J	100	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	NA	0.52 U	NA	NA	0.5 U	0.49 U	NA
PHENANTHRENE	µg/kg	NE	NE	NE		NA	NA	0.66 U	NA	NA	0.62 U	140	NA
PYRENE	µg/kg	NE	NE	NE		NA	NA	12	NA	NA	4.4 J	240	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	NA	84.6	NA	NA	31.4	1640	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	NA	16.4 J	NA	NA	5.7 J	227	NA
SOLIDS, PERCENT	%	NE	NE	NE		NA	NA	87.5	NA	NA	93.7	96.6	NA
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	NA	0.35	NA	NA	0.08 J	0.33	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-068-TOB	SIB-068-TOB	SIB-068-TOB	SIB-069-MLW	SIB-069-OHW	SIB-069-TOB	SIB-070-MLW	SIB-070-OHW
					Sample ID	SIB-068-TOB-0-1-10142022	SIB-068-TOB-1-2-10142022	SIB-068-TOB-2-3-10142022	SIB-069-MLW-0-1-10142022	SIB-069-OHW-0-1-10142022	SIB-069-TOB-0-1-10142022	SIB-070-MLW-0-1-10132022	SIB-070-OHW-0-1-10132022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		1.7	NA	NA	1500	2.1	**5100 J**	120	5.1
2,4'-DDD	µg/kg	NE	NE	NE		0.25 U	NA	NA	0.32 U	0.3 U	0.27 U	0.36 U	0.29 U
P,P'-DDD	µg/kg	NE	NE	NE		0.14 U	NA	NA	0.18 U	0.17 U	0.15 UJ	2.4	0.16 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.25 U	NA	NA	0.32 U	0.3 U	0.27 U	2.6	0.29 U
O,P'-DDE	µg/kg	NE	NE	NE		0.32 UJ	NA	NA	0.4 U	0.37 U	0.34 UJ	0.45 U	0.36 U
P,P'-DDE	µg/kg	NE	NE	NE		0.28 U	NA	NA	0.35 U	0.33 U	0.3 U	0.4 U	0.32 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.32 U	NA	NA	0.4 U	0.37 U	0.34 U	0.45 U	0.36 U
O,P'-DDT	µg/kg	NE	NE	NE		0.38 UJ	NA	NA	0.47 U	0.44 U	0.4 UJ	0.53 U	0.43 U
P,P'-DDT	µg/kg	NE	NE	NE		0.19 U	NA	NA	0.24 U	0.22 U	1.2	0.27 U	0.22 U
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.38 U	NA	NA	0.47 U	0.44 U	1.4	0.53 U	0.43 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.38 U	NA	NA	0.47 U	0.44 U	1.9	3.4	0.43 U
ALDRIN	µg/kg	2	NE	NE		0.32 U	NA	NA	0.4 U	0.37 U	0.34 U	0.45 U	0.36 U
DIELDRIN	µg/kg	0.07	NE	NE		0.31 U	NA	NA	0.39 U	0.36 U	0.33 U	0.43 U	0.35 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.13 U	NA	NA	0.16 UJ	0.15 UJ	0.13 U	0.18 UJ	0.14 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.25 U	NA	NA	0.31 U	0.29 U	0.26 U	0.35 U	0.28 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.26 U	NA	NA	0.32 U	0.3 U	0.27 U	0.36 U	0.29 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.39 U	NA	NA	0.49 U	0.45 U	0.41 U	0.55 U	0.44 U
Oxychlordane	µg/kg	NE	NE	NE		0.52 U	NA	NA	0.65 U	0.61 U	0.55 U	0.73 U	0.59 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.23 U	NA	NA	0.29 U	0.27 U	0.25 U	0.33 U	0.27 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.52 U	NA	NA	0.65 U	0.61 U	0.55 U	0.73 U	0.59 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.31 J	0.217 U	4.52 J	9.77	4.79 J	15.9	46.4	31.8
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		10.1	5.54	21.1	73.3	33.7	132	328	278
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.64 U	0.296 U	0.284 J	0.801 U	1.56 U	1.44 J	3.35 J	2.24 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**0.523 J**	0.184 UJ	**0.679 J**	**1.4 J**	**2.32 J**	**2.83 J**	**5.79**	**3.25 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.547 U	0.266 U	0.288 U	0.847 U	0.8 U	1.37 J	3.9 J	3.26 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.422 U	0.169 U	0.377 J	0.658 J	0.539 U	1.05 J	3.13 J	1.69 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.577 J	0.34 J	0.553 J	2.76 J	1.97 J	7.49	12.9	13.3
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.601 U	0.249 U	0.248 U	0.702 U	0.736 U	1.23 J	2.22 J	1.31 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.543 U	0.259 U	0.425 J	1.66 J	0.8 U	1.89 J	6.63	5.39
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.475 J	0.239 U	0.258 UJ	0.799 J	3.2 J	0.749 U	1.45 J	1.34 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.453 U	0.221 U	0.212 U	0.554 U	0.425 U	0.566 U	**1.9 J**	**1.44 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.432 U	0.187 U	0.22 J	0.851 J	0.539 U	1.6 J	3.71 J	2.76 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.362 U	0.241 U	0.228 UJ	0.531 U	0.826 U	**1.47 J**	**3.4 J**	**1.45 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.565 U	0.37 U	0.296 J	0.819 U	0.878 U	0.741 U	**1.66**	0.749 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.408 U	0.284 U	0.292 U	0.356 U	0.417 U	0.409 U	**0.466 J**	0.315 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		21	280	64.1	137	62.2	224	838	523
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.02	36.5 J	5.79 J	17.4 J	9.05 J	34.6 J	89.7 J	56.7 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.98 J	41 J	6.71 J	16.5 J	8 J	25.8 J	99.8 J	70.7 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.39 J	3.1 J	10	14.9	8.45 J	18.4	86.4	63.9
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		83.8	53.9	226	515	211	880	2970	1950
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		1.49 J	10.6 J	3.34 J	4.89 J	6.55 J	10.6 J	39.9 J	19.8 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.453 U	7.38 J	0.883 J	0.554 U	0.874 J	0.586 J	10.9 J	8.08 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		0.565 U	8.17 J	0.593 J	0.819 U	0.878 U	0.741 U	10.3	2.23
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.408 U	3.66 J	0.292 U	0.356 U	0.417 U	0.409 U	3.09 J	0.659 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-068-TOB	SIB-068-TOB	SIB-068-TOB	SIB-069-MLW	SIB-069-OHW	SIB-069-TOB	SIB-070-MLW	SIB-070-OHW
					Sample ID	SIB-068-TOB-0-1-10142022	SIB-068-TOB-1-2-10142022	SIB-068-TOB-2-3-10142022	SIB-069-MLW-0-1-10142022	SIB-069-OHW-0-1-10142022	SIB-069-TOB-0-1-10142022	SIB-070-MLW-0-1-10132022	SIB-070-OHW-0-1-10132022
TOTAL HpCDFs	pg/g	NE	NE	NE		6.39 J	108 J	12.9 J	26.5	13.1 J	49.9 J	158 J	98.8 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		0.92 J	0.49 J	0.9 J	2.4 J	1.7 J	4.5 J	**12.1 J**	8.9 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-068-TOB	SIB-068-TOB	SIB-068-TOB	SIB-069-MLW	SIB-069-OHW	SIB-069-TOB	SIB-070-MLW	SIB-070-OHW
					Sample ID	SIB-068-TOB-0-1-10142022	SIB-068-TOB-1-2-10142022	SIB-068-TOB-2-3-10142022	SIB-069-MLW-0-1-10142022	SIB-069-OHW-0-1-10142022	SIB-069-TOB-0-1-10142022	SIB-070-MLW-0-1-10132022	SIB-070-OHW-0-1-10132022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-068-TOB	SIB-068-TOB	SIB-068-TOB	SIB-069-MLW	SIB-069-OHW	SIB-069-TOB	SIB-070-MLW	SIB-070-OHW
					Sample ID	SIB-068-TOB-0-1-10142022	SIB-068-TOB-1-2-10142022	SIB-068-TOB-2-3-10142022	SIB-069-MLW-0-1-10142022	SIB-069-OHW-0-1-10142022	SIB-069-TOB-0-1-10142022	SIB-070-MLW-0-1-10132022	SIB-070-OHW-0-1-10132022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-068-TOB	SIB-068-TOB	SIB-068-TOB	SIB-069-MLW	SIB-069-OHW	SIB-069-TOB	SIB-070-MLW	SIB-070-OHW
					Sample ID	SIB-068-TOB-0-1-10142022	SIB-068-TOB-1-2-10142022	SIB-068-TOB-2-3-10142022	SIB-069-MLW-0-1-10142022	SIB-069-OHW-0-1-10142022	SIB-069-TOB-0-1-10142022	SIB-070-MLW-0-1-10132022	SIB-070-OHW-0-1-10132022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		1140 J	NA	NA	NA	3850 J	NA	21700 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		1.9 U	NA	NA	2.1 U	1.9 U	1.8 U	**500**	1.9 UJ
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		4 U	NA	NA	70 J	4 U	35 J	410	130 J
ARSENIC	mg/kg	3	NE	NE		1.8	NA	NA	2.53	1.96	2.3	2.89	**3.73**
CADMIUM	mg/kg	0.51	NE	NE		0.03 J	NA	NA	0.07 J	0.05 J	0.08 J	0.34	0.19
COPPER	mg/kg	359	NE	NE		15.8	NA	NA	21.7	15.9	31.9	42.9	50.1
LEAD	mg/kg	196	NE	NE		4.11	NA	NA	12.6	5.26	8.12	16.6	25.9
ZINC	mg/kg	459	NE	NE		44.5	NA	NA	73.4 J	55.8 J	61.8	97.2 J	88.3 J
MERCURY	mg/kg	0.085	NE	NE		0.0144 J	NA	NA	0.00459 U	0.00521 J	0.0189 J	0.0462	0.0194 J
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	NA	NA	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U

Attachment C.1 (continued)
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				Location ID	SIB-068-TOB	SIB-068-TOB	SIB-068-TOB	SIB-069-MLW	SIB-069-OHW	SIB-069-TOB	SIB-070-MLW	SIB-070-OHW
				Sample ID	SIB-068-TOB-0-1-10142022	SIB-068-TOB-1-2-10142022	SIB-068-TOB-2-3-10142022	SIB-069-MLW-0-1-10142022	SIB-069-OHW-0-1-10142022	SIB-069-TOB-0-1-10142022	SIB-070-MLW-0-1-10132022	SIB-070-OHW-0-1-10132022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	18.4 J	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	0.6 U	NA	NA	0.6 U	0.6 U	0.6 U	22.6	7.4
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	0.6 U	NA	NA	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	**63.4**	**12.8**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	9.3 J	NA	NA	91 J	27 J	32 J	**440**	**230**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.37 U	NA	NA	0.41 U	0.37 U	0.38 U	0.49 U	0.37 U
ACENAPHTHENE	µg/kg	NE	NE	NE	0.73 J	NA	NA	0.34 J	0.97 J	0.53 J	9.8	0.77 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE	0.28 U	NA	NA	0.31 U	0.28 U	0.29 U	6.8	0.28 U
ANTHRACENE	µg/kg	NE	NE	NE	0.87 J	NA	NA	0.33 U	1.9 J	1 J	0.38 U	2 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	4.9 J	NA	NA	0.26 U	9	6.5	35	8.4
BENZO(A)PYRENE	µg/kg	NE	NE	NE	0.38 U	NA	NA	7.2	14	13	46	14
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	9.4	NA	NA	8.5	14	15	58	23
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	6.2	NA	NA	4.5 J	6.5	9.5	35	12
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	3.5 J	NA	NA	3.2 J	5.5	5.5	21	8.6
CHRYSENE	µg/kg	NE	NE	NE	5.9	NA	NA	6.4	9.9	9.2	52	21
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	0.98 J	NA	NA	0.61 J	1.2 J	1.7 J	4.1 J	1.8 J
FLUORANTHENE	µg/kg	NE	NE	NE	8.9	NA	NA	8.2	18	13	69	17
FLUORENE	µg/kg	NE	NE	NE	0.57 U	NA	NA	0.64 U	0.57 U	0.59 U	0.75 U	0.57 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	7	NA	NA	4.3 J	7.9	11	34	9.9
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.47 U	NA	NA	0.53 U	0.47 U	0.49 U	0.62 U	0.47 U
PHENANTHRENE	µg/kg	NE	NE	NE	0.59 U	NA	NA	0.66 U	0.59 U	0.61 U	56	0.59 U
PYRENE	µg/kg	NE	NE	NE	8.6	NA	NA	0.36 U	16	13	130	17
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	58.3	NA	NA	45	106	100	558	137
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	3.3 J	NA	NA	9.1 J	18.4 J	18 J	63.1 J	20 J
SOLIDS, PERCENT	%	NE	NE	NE	97.4	NA	NA	88.4	98.2	97	74.6	97.1
TOTAL ORGANIC CARBON	%	NE	NE	NE	0.41	NA	NA	0.37	0.51	0.84	1.46	3.15

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-071-MLW	SIB-071-OHW	SIB-071-TOB	SIB-072-MLW	SIB-072-MLW	SIB-072-OHW	SIB-072-OHW	SIB-072-TOB
					Sample ID	SIB-071-MLW-0-1-10132022	SIB-071-OHW-0-1-10132022	SIB-071-TOB-0-1-10132022	SIB-072-MLW-0-1-10132022	SIB-072-MLW-1-2-10132022	SIB-072-OHW-0-1-10132022	SIB-072-OHW-1-2-10132022	SIB-072-TOB-0-1-10132022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		5.7	0.89 J	0.46 U	16	NA	3.8	NA	5.5
2,4'-DDD	µg/kg	NE	NE	NE		0.48 U	0.31 U	1.4	0.41 U	NA	0.33 U	0.32 U	1
P,P'-DDD	µg/kg	NE	NE	NE		0.8	0.17 U	4.7	0.23 U	NA	0.18 U	0.18 U	0.77
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		1	0.31 U	6.1	0.41 U	NA	0.33 U	0.32 U	1.8
O,P'-DDE	µg/kg	NE	NE	NE		0.6 U	0.39 U	0.4 U	0.52 U	NA	0.41 U	0.4 U	0.39 U
P,P'-DDE	µg/kg	NE	NE	NE		0.53 U	0.34 U	0.55	0.46 U	NA	0.36 U	0.35 U	6.3
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.6 U	0.39 U	0.75	0.52 U	NA	0.41 U	0.4 U	6.5
O,P'-DDT	µg/kg	NE	NE	NE		0.71 U	0.46 U	0.48 U	0.61 U	NA	0.48 U	0.47 U	5.2
P,P'-DDT	µg/kg	NE	NE	NE		0.36 U	0.83	1	0.31 U	NA	0.79	0.6	70
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.71 U	1.1	1.2	0.61 U	NA	1	0.84	75.2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		2.1	1.7	**8.1**	0.61 U	NA	1.7	1.5	**83.5**
ALDRIN	µg/kg	2	NE	NE		0.6 U	0.39 U	0.4 U	0.52 U	NA	0.41 U	0.4 U	0.39 U
DIELDRIN	µg/kg	0.07	NE	NE		0.58 U	0.38 U	0.39 U	0.5 U	NA	**1.3**	0.39 U	**290**
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.24 UJ	0.15 UJ	0.16 UJ	0.21 UJ	NA	0.16 UJ	0.16 U	0.16 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.47 U	0.3 U	0.32 U	0.41 U	NA	0.32 U	0.31 U	11
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.48 U	0.31 U	0.33 U	0.42 U	NA	0.33 U	0.32 U	11
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.73 U	0.47 U	0.49 U	0.63 U	NA	0.63	0.49 U	5.8
Oxychlordane	µg/kg	NE	NE	NE		0.98 U	0.63 U	0.66 U	0.85 U	NA	0.67 U	0.65 U	2.2
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.44 U	0.29 U	0.3 U	0.38 U	NA	2.4	1.5	14
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.98 U	0.63 U	0.66 U	0.85 U	NA	**3.7**	**2.4**	**44**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		16.6	34.2	13.1	6.48	5.07	111	22.1	288
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		79	189	51.5	35.9	26.3	420	90.8	1050
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.24 J	1.97 J	0.719 J	0.527 U	0.464 J	8.53	1.26 J	23.6
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**1.86 J**	**4.8 J**	**1.55 J**	**0.686 J**	0.181 U	**16.7**	**1.85 J**	**106**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.36 U	1.79 J	0.973 U	0.838 U	0.394 J	3.05 J	0.473 J	13.7
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.4 J	2.12 J	0.705 J	0.626 J	0.552 J	2.94 J	1.79 J	20.4
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.54 J	8.19	2.48 J	1.66 J	1.19 J	14.8	1.99 J	46.2
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.861 U	1.06 J	0.56 U	0.539 U	0.246 U	2.08 J	0.289 U	10.5
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.5 J	3.52 J	0.915 U	0.977 J	0.63 J	4.89 J	0.768 J	26.6
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.513 U	5.3	1.69 J	0.391 U	0.163 UJ	8.8	1.7 J	89.6 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**0.818 J**	**1.07 J**	**0.477 J**	0.413 U	**0.384 J**	**2.22 J**	**0.417 J**	**14.6 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.4 J	3.09 J	1.08 J	0.65 J	0.426 J	4.61 J	0.655 J	23.6
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**1.3 J**	**4.01 J**	**1.15 J**	0.389 U	0.14 UJ	**3.52 J**	**0.717 J**	**26.5**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.967 U	**1.34**	0.862 U	0.79 U	**0.434 J**	**1.92 J**	**0.479 J**	**14.2**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.604 U	**0.397 J**	0.308 U	0.371 U	0.29 U	0.369 U	0.226 U	**1.57**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		158	359	94.4	68.5	51.1	753	164	1790
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		27.6 J	64.8 J	18.7 J	11.5 J	9.08 J	154 J	22.3 J	624 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		23.7 J	51.3 J	11.5 J	9.34 J	8.75 J	72.8 J	11.7 J	278 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		33.6	72.4	25.5	13.5	12	404	130	552
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		683	1590	411	281	263	3270	797	6840 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		13.4 J	58.7 J	15.4 J	4.6 J	4.61 J	55.4 J	10.1 J	624 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		2.2 J	11.4 J	1.88 J	1.41 J	1.45 J	10.8 J	1.73 J	76 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		3.78	22.6 J	2.61	0.79 U	1.93 J	11	2.66 J	351
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.43	3.87 J	0.33 J	0.371 U	0.392 J	1.8 J	0.323 J	26.6 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-071-MLW	SIB-071-OHW	SIB-071-TOB	SIB-072-MLW	SIB-072-MLW	SIB-072-OHW	SIB-072-OHW	SIB-072-TOB
					Sample ID	SIB-071-MLW-0-1-10132022	SIB-071-OHW-0-1-10132022	SIB-071-TOB-0-1-10132022	SIB-072-MLW-0-1-10132022	SIB-072-MLW-1-2-10132022	SIB-072-OHW-0-1-10132022	SIB-072-OHW-1-2-10132022	SIB-072-TOB-0-1-10132022
TOTAL HpCDFs	pg/g	NE	NE	NE		56 J	112 J	36.1 J	20.6	15.6 J	508 J	96.5 J	968
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		3.9 J	8.2 J	2.6 J	1.5 J	1.3 J	**15.3 J**	3 J	**68.8 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-071-MLW	SIB-071-OHW	SIB-071-TOB	SIB-072-MLW	SIB-072-MLW	SIB-072-OHW	SIB-072-OHW	SIB-072-TOB
					Sample ID	SIB-071-MLW-0-1-10132022	SIB-071-OHW-0-1-10132022	SIB-071-TOB-0-1-10132022	SIB-072-MLW-0-1-10132022	SIB-072-MLW-1-2-10132022	SIB-072-OHW-0-1-10132022	SIB-072-OHW-1-2-10132022	SIB-072-TOB-0-1-10132022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-071-MLW	SIB-071-OHW	SIB-071-TOB	SIB-072-MLW	SIB-072-MLW	SIB-072-OHW	SIB-072-OHW	SIB-072-TOB
					Sample ID	SIB-071-MLW-0-1-10132022	SIB-071-OHW-0-1-10132022	SIB-071-TOB-0-1-10132022	SIB-072-MLW-0-1-10132022	SIB-072-MLW-1-2-10132022	SIB-072-OHW-0-1-10132022	SIB-072-OHW-1-2-10132022	SIB-072-TOB-0-1-10132022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-071-MLW	SIB-071-OHW	SIB-071-TOB	SIB-072-MLW	SIB-072-MLW	SIB-072-OHW	SIB-072-OHW	SIB-072-TOB
					Sample ID	SIB-071-MLW-0-1-10132022	SIB-071-OHW-0-1-10132022	SIB-071-TOB-0-1-10132022	SIB-072-MLW-0-1-10132022	SIB-072-MLW-1-2-10132022	SIB-072-OHW-0-1-10132022	SIB-072-OHW-1-2-10132022	SIB-072-TOB-0-1-10132022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	25000 J	NA	NA	NA	38100 J	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.7 U	2 U	1.9 U	2.4 U	NA	2 U	NA	2 UJ
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		300	350	88 J	5.1 U	NA	130	NA	810 J
ARSENIC	mg/kg	3	NE	NE		**3.85**	**3.56**	2.1	2.32	NA	**4.74**	**4.46**	**6.5**
CADMIUM	mg/kg	0.51	NE	NE		0.15	0.49	0.14	0.08 J	NA	0.24	0.11	**1.06**
COPPER	mg/kg	359	NE	NE		24	35.7	26.8	17	NA	28.9	27.4	54.3
LEAD	mg/kg	196	NE	NE		15.9	77.6	23.9	12	NA	24	16.5 J	**463**
ZINC	mg/kg	459	NE	NE		121 J	135 J	78.9 J	83.3 J	NA	111 J	73.4	236 J
MERCURY	mg/kg	0.085	NE	NE		0.0304	0.027	0.0249	0.0174 J	NA	0.00842 J	**0.35 J**	**0.242**
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 UJ	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	7.8 U	1.6 U	1.7 U	1.6 U	7.8 U	1.6 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-071-MLW	SIB-071-OHW	SIB-071-TOB	SIB-072-MLW	SIB-072-MLW	SIB-072-OHW	SIB-072-OHW	SIB-072-TOB
				Sample ID	SIB-071-MLW-0-1-10132022	SIB-071-OHW-0-1-10132022	SIB-071-TOB-0-1-10132022	SIB-072-MLW-0-1-10132022	SIB-072-MLW-1-2-10132022	SIB-072-OHW-0-1-10132022	SIB-072-OHW-1-2-10132022	SIB-072-TOB-0-1-10132022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	1.6 U	7.8 U	1.6 U	1.7 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	1.6 U	7.8 U	1.6 U	1.7 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	1.6 U	7.8 U	1.6 U	1.7 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	6.9	7.8 U	1.6 U	2.1 J	2.9 J	7.8 U	7.5 J	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	12.3	13.7 J	1.6 U	3.1 J	5.3 J	33.1	14.4 J	256
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	17.3	25.3	5.3	3.4 J	11.1 J	62.2	38.2 J	711
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 UJ	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	**40.3**	**61.4**	**10.7**	**12.6**	**23.1**	**118**	**63.9**	**989**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	**240**	68 J	29 J	26 J	NA	**170 J**	22 J	**250**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.52 U	0.4 U	0.37 U	0.45 U	NA	0.38 U	NA	0.39 U
ACENAPHTHENE	µg/kg	NE	NE	NE	15	1.8 J	0.3 U	0.37 U	NA	0.71 J	NA	9.9
ACENAPHTHYLENE	µg/kg	NE	NE	NE	9	0.3 U	0.28 U	0.35 U	NA	0.29 U	NA	0.3 U
ANTHRACENE	µg/kg	NE	NE	NE	13	4.9 J	0.29 U	0.36 U	NA	2.1 J	NA	10
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	20	34	4.4 J	0.28 U	NA	8.7	NA	64
BENZO(A)PYRENE	µg/kg	NE	NE	NE	27	53	10	6 J	NA	19	NA	88
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	28	48	8.8	5.1 J	NA	18	NA	120
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	17	28	7	2.8 J	NA	11	NA	95
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	11	17	2.9 J	1.5 J	NA	6.3	NA	41
CHRYSENE	µg/kg	NE	NE	NE	31	44	7.3	4.4 J	NA	14	NA	96
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	2.2 J	4.2 J	0.77 J	0.4 J	NA	1.6 J	NA	13
FLUORANTHENE	µg/kg	NE	NE	NE	70	54	8.7	0.77 U	NA	16	NA	130
FLUORENE	µg/kg	NE	NE	NE	0.79 U	0.61 U	0.57 U	0.7 U	NA	0.59 U	NA	0.6 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	15	33	5.9	2.9 J	NA	12	NA	75
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.66 U	0.5 U	0.47 U	0.58 U	NA	0.49 U	NA	0.5 U
PHENANTHRENE	µg/kg	NE	NE	NE	74	0.63 U	0.59 U	0.72 U	NA	0.61 U	NA	65
PYRENE	µg/kg	NE	NE	NE	91	65	11	12	NA	16	NA	130
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	424	388	68.2	37.4	NA	127	NA	938
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	35.6 J	68.9 J	12.7 J	7.2 J	NA	24.5 J	NA	127
SOLIDS, PERCENT	%	NE	NE	NE	66.3	91.7	93.9	76.5	NA	92.4	94.9	94.3
TOTAL ORGANIC CARBON	%	NE	NE	NE	1.28	3.83	1.14	0.08 J	NA	2.33	NA	3.3

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-072-TOB	SIB-072-TOB	SIB-073-MLW	SIB-073-OHW	SIB-073-OHW	SIB-073-TOB	SIB-073-TOB	SIB-074-MLW
					Sample ID	SIB-072-TOB-1-2-10132022	SIB-072-TOB-2-3-10132022	SIB-073-MLW-0-1-10132022	SIB-073-OHW-0-1-10132022	SIB-073-OHW-1-2-10132022	SIB-073-TOB-0-1-10132022	SIB-073-TOB-1-2-10132022	SIB-074-MLW-0-1-10132022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	NA	0.58 U	3.7	NA	6.1	NA	0.53 U
2,4'-DDD	µg/kg	NE	NE	NE		0.32 U	0.35 U	0.38 U	0.3 U	NA	0.29 U	NA	0.33 U
P,P'-DDD	µg/kg	NE	NE	NE		0.36 J	0.2 U	0.72	0.17 U	NA	0.16 U	NA	0.18 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.52	0.35 U	0.91	0.3 U	NA	0.29 U	NA	0.33 U
O,P'-DDE	µg/kg	NE	NE	NE		0.4 U	0.44 U	0.48 U	0.37 U	NA	0.36 U	NA	0.41 U
P,P'-DDE	µg/kg	NE	NE	NE		2	0.69	0.65	0.33 U	NA	0.32 U	NA	0.36 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		2.2	0.91	0.89	0.37 U	NA	0.36 U	NA	0.41 U
O,P'-DDT	µg/kg	NE	NE	NE		0.55	0.52 U	0.57 U	0.44 U	NA	0.43 U	NA	0.49 U
P,P'-DDT	µg/kg	NE	NE	NE		13	3.2	0.29 U	2.5	NA	1.9	NA	0.25 U
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		13.6	3.5	0.57 U	2.7	NA	2.1	NA	0.49 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**16.3**	4.6	2.2	3.3	NA	2.7	NA	0.49 U
ALDRIN	µg/kg	2	NE	NE		0.92	0.44 U	0.48 U	0.37 U	NA	0.36 U	NA	0.41 U
DIELDRIN	µg/kg	0.07	NE	NE		**41**	**8.9**	0.47 U	0.36 U	NA	0.35 U	NA	0.4 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 U	0.18 U	0.19 UJ	0.15 UJ	NA	0.15 UJ	NA	0.16 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		1.4	0.35 U	0.38 U	1.4	NA	0.29 U	NA	0.32 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		1.1	0.36 U	0.39 U	2.3	NA	0.3 U	NA	0.33 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.92	0.54 U	0.59 U	0.66	NA	0.45 U	NA	0.5 U
Oxychlordane	µg/kg	NE	NE	NE		0.66 U	0.72 U	0.79 U	0.61 U	NA	0.6 U	NA	0.67 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		2	0.39 J	0.35 U	3.9	NA	0.27 U	NA	0.3 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**5.8**	**1.4**	0.79 U	**8.6**	NA	0.6 U	NA	0.67 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		78	31.5	31.25	155	134	30.7	81.9	26.6
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		305	128	35.8	516	494	130	328	32.3
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		7.22	3.02 J	0.6775 J	14.4	9.34	2.32 J	4.63 J	0.719 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**23.3**	**8.35**	**0.8475 J**	**27.7**	**15.5**	**10.4**	**2.87 J**	**1.33 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.8 J	1.41 J	0.441 U	4.81 J	4.03 J	2.05 J	0.676 J	0.587 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		16.4	8.39	2.385 J	6.98	11 J	1.77 J	2.5 J	2.2 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		13.4 J	5.41 J	1.65 J	17.7	14.9	5.64	6.18	1.48 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.44 J	1.96 J	0.455 U	4.8 J	2.35 J	1.04 U	0.594 U	0.529 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6.7 J	2.77 J	0.786 J	9.19	6.22	3.42 J	1.27 J	0.81 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		22.6	9.67	0.423 U	18.9	16.9	14.6	4.37 J	0.774 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**3.05 J**	**1.03 J**	0.367 U	**3.92 J**	**3.95 J**	**2.43 J**	**0.856 J**	0.555 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.69	2.91 J	1.44 J	6.93 J	4.8 J	2.11 J	1.29 J	1.56 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**8.33**	**2.61 J**	**1.4 J**	**9.37**	**5.89**	**2.13 J**	**1.35 J**	**1.68 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**2.62 J**	**0.89 J**	0.792 U	**5.21**	**4.2**	**2.6**	**0.98 J**	0.884 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.343 U	0.298 U	0.419 U	**0.585 J**	**0.498**	0.233 U	0.348 U	0.411 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		517	215	115.5	983	933	240	572	87.6
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		209 J	85.5 J	30.05 J	218 J	185 J	50.8 J	64.1 J	29.8 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		65.1 J	27.2 J	21.4 J	125 J	108 J	41.8 J	32.1 J	15.5 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		112	42.3	22.95	530	535	94	548	25.4
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2020	831	653.5	3930	3880	886	2920	475
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		132 J	51.3 J	22.65 J	131 J	91.8 J	57.6 J	21.1 J	23.3 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		15.9 J	6.5 J	3.975 J	28.2 J	33 J	10.4 J	2.8 J	1.3 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		55.1	14.8 J	8.78 J	52.6	52 J	17.6	7.82 J	9.99 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.86 J	1.24 J	1.275	14 J	14.8 J	8.45 J	0.898 J	0.836 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-072-TOB	SIB-072-TOB	SIB-073-MLW	SIB-073-OHW	SIB-073-OHW	SIB-073-TOB	SIB-073-TOB	SIB-074-MLW
					Sample ID	SIB-072-TOB-1-2-10132022	SIB-072-TOB-2-3-10132022	SIB-073-MLW-0-1-10132022	SIB-073-OHW-0-1-10132022	SIB-073-OHW-1-2-10132022	SIB-073-TOB-0-1-10132022	SIB-073-TOB-1-2-10132022	SIB-074-MLW-0-1-10132022
TOTAL HpCDFs	pg/g	NE	NE	NE		252 J	101 J	62.2 J	658 J	606 J	108 J	409 J	57.4 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**18.6 J**	7.3 J	2.5	**24.4 J**	**20.7 J**	8.4 J	8.4 J	2.6 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		10.8	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		6.35	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		34.3	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		14.6	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		11.4	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		145	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		23.7	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		9.27	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		14	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		9.29	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		11.1	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		10.6	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		45.3	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		9.19	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		9.81	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		5430	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		1380	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		974	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		4520	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		3180	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		183	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		427	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		1190	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		1610	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		12600	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		28.9	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		19.7	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		3190	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		3.52	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		6940	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		3.68	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		9.73	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		193	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		1280	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		192	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		9.23	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		1460	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		536	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		13500	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		2000	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		69.9	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		137	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		2730	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-072-TOB	SIB-072-TOB	SIB-073-MLW	SIB-073-OHW	SIB-073-OHW	SIB-073-TOB	SIB-073-TOB	SIB-074-MLW
					Sample ID	SIB-072-TOB-1-2-10132022	SIB-072-TOB-2-3-10132022	SIB-073-MLW-0-1-10132022	SIB-073-OHW-0-1-10132022	SIB-073-OHW-1-2-10132022	SIB-073-TOB-0-1-10132022	SIB-073-TOB-1-2-10132022	SIB-074-MLW-0-1-10132022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		313	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		647	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		312	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		99.2	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		1970	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		1430	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		12.3	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		13.6	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		376	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		6.15	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		6710	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		4.28	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		7.49	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		4.49	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		10700	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		58.5	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		4.02	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		1200	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		908	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		9.17	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		908	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		9.17	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		34.1	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		8.4	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		8.86	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		750	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		9.02	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		13	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		1080	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		133	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		375	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		3610	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		1620	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		1440	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		498	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		4420	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		398	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		1360	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		2610	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		2.79	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		183	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		553	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		299	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		125	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		312	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		666	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		1480	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-072-TOB	SIB-072-TOB	SIB-073-MLW	SIB-073-OHW	SIB-073-OHW	SIB-073-TOB	SIB-073-TOB	SIB-074-MLW
					Sample ID	SIB-072-TOB-1-2-10132022	SIB-072-TOB-2-3-10132022	SIB-073-MLW-0-1-10132022	SIB-073-OHW-0-1-10132022	SIB-073-OHW-1-2-10132022	SIB-073-TOB-0-1-10132022	SIB-073-TOB-1-2-10132022	SIB-074-MLW-0-1-10132022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		3130	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		13.3	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		342	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		46	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		586	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		10.6	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		10.1	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		2050	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		6	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		1540	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		10.9	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		1.53	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		1460	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		240	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		14	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		92.7	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		231	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		3770	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		7.53	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		6.85	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		42.3	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		110	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		2610	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		12	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		7.49	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		73.5	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		14.3	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		130000	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		704	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		57	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		34.2	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		13.4	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		8.67	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		11.1	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		4.43	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		13.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		178	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		21.8	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		12.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		499	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		2.07	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		151	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		10.9	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		11.7	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		11.3	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-072-TOB	SIB-072-TOB	SIB-073-MLW	SIB-073-OHW	SIB-073-OHW	SIB-073-TOB	SIB-073-TOB	SIB-074-MLW
					Sample ID	SIB-072-TOB-1-2-10132022	SIB-072-TOB-2-3-10132022	SIB-073-MLW-0-1-10132022	SIB-073-OHW-0-1-10132022	SIB-073-OHW-1-2-10132022	SIB-073-TOB-0-1-10132022	SIB-073-TOB-1-2-10132022	SIB-074-MLW-0-1-10132022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		7.24	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		51.9	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		282	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		11.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		10.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		9.42	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		84.8	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		11	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		7.02	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		91.4	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		24.6	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		12.7	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		9.91	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		10.7	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		13.4	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		14	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		35.7	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		8.49	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		51.7	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		21.5	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		21.5	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		21.6	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		3.17	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		3.5	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		4.02	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		8.34	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		4.04	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		3.95	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		55.1	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		10.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		7.2	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		6.6	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		50.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		6.93	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		7.24	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		130000 J	NA	15400 J	NA	NA	NA	NA	9390 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2 U	2 U	2.6	2 U	NA	1.9 U	NA	2.3 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		110 J	27 J	285	190	NA	89 J	NA	75 J
ARSENIC	mg/kg	3	NE	NE		**6.99**	**6.04**	**3.3**	**3.54**	2.85	**4.56**	**6.25**	**3.12**
CADMIUM	mg/kg	0.51	NE	NE		0.23	0.17	0.135 J	0.24	0.24	0.22	0.15	0.08 J
COPPER	mg/kg	359	NE	NE		28.6	23.2	29.85	34.5	31.8	29	69	21.1
LEAD	mg/kg	196	NE	NE		74.9 J	30.3 J	12.9	41.5	38.6 J	28.3	22.7 J	9.37
ZINC	mg/kg	459	NE	NE		97.5	79.3	80.35 J	116 J	93.5	94.5 J	95.7	71.1 J
MERCURY	mg/kg	0.085	NE	NE		0.0686 J	0.036 J	0.0831 J	0.00552 U	**0.152 J**	0.0585	**0.84 J**	0.0269 J
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-072-TOB	SIB-072-TOB	SIB-073-MLW	SIB-073-OHW	SIB-073-OHW	SIB-073-TOB	SIB-073-TOB	SIB-074-MLW
					Sample ID	SIB-072-TOB-1-2-10132022	SIB-072-TOB-2-3-10132022	SIB-073-MLW-0-1-10132022	SIB-073-OHW-0-1-10132022	SIB-073-OHW-1-2-10132022	SIB-073-TOB-0-1-10132022	SIB-073-TOB-1-2-10132022	SIB-074-MLW-0-1-10132022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		37.4	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	9.1	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		97.9	30.4	4.1 J	70	18.4 J	7.8 U	36.8 J	1.7 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		122 J	65.4 J	5.15	167	54 J	68	195 J	3.2 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**261**	**100**	**13.9**	**259**	**77**	**94.3**	**245**	**9.5**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		56 J	9.8 U	26 J	76 J	NA	90 J	NA	21 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	NA	0.48 U	0.38 U	NA	0.39 U	NA	0.44 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	NA	8.5	1.4 J	NA	1.6 J	NA	1.9 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	NA	16	0.29 U	NA	0.29 U	NA	0.33 U
ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	15.5	3.4 J	NA	2.3 J	NA	3.7 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	36 J	22	NA	17	NA	7.7
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	NA	40.5 J	39	NA	32	NA	12
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	38.5 J	51	NA	35	NA	9.9
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	NA	21 J	28	NA	20	NA	8.4
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	15.25 J	17	NA	12	NA	3.5 J
CHRYSENE	µg/kg	NE	NE	NE		NA	NA	39.5 J	37	NA	25	NA	9.6
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	2.55 J	4.3 J	NA	4.2 J	NA	0.72 J
FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	71.5 J	36	NA	31	NA	14
FLUORENE	µg/kg	NE	NE	NE		NA	NA	0.74 U	0.58 U	NA	0.59 U	NA	0.67 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	NA	19.5 J	30	NA	21	NA	6.9
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	NA	0.61 U	0.48 U	NA	0.49 U	NA	0.55 U
PHENANTHRENE	µg/kg	NE	NE	NE		NA	NA	60.5	0.6 U	NA	0.61 U	NA	0.69 U
PYRENE	µg/kg	NE	NE	NE		NA	NA	119	41	NA	30	NA	28
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	NA	505	311	NA	232	NA	108
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	NA	52.6	53.8 J	NA	43.6 J	NA	15.2 J
SOLIDS, PERCENT	%	NE	NE	NE		91.2	89.6	71.55	89.9	NA	93.5	NA	80.3
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	NA	0.945	4.52	NA	1.81	NA	0.23

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-074-OHW	SIB-074-OHW	SIB-074-TOB	SIB-074-TOB	SIB-075-MLW	SIB-075-OHW	SIB-075-OHW	SIB-075-TOB
					Sample ID	SIB-074-OHW-0-1-10132022	SIB-074-OHW-1-2-10132022	SIB-074-TOB-0-1-10132022	SIB-074-TOB-1-2-10132022	SIB-075-MLW-0-1-10132022	SIB-075-OHW-0-1-10132022	SIB-075-OHW-1-2-10132022	SIB-075-TOB-0-1-10132022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		2.5	NA	3.7	NA	0.52 U	2.7	NA	4.9
2,4'-DDD	µg/kg	NE	NE	NE		0.33 U	NA	0.28 U	0.29 U	0.33 U	0.31 U	NA	0.33 U
P,P'-DDD	µg/kg	NE	NE	NE		0.18 U	NA	0.16 U	0.22 J	1.2	0.18 U	NA	0.18 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.33 U	NA	0.28 U	0.37	1.4	0.31 U	NA	0.33 U
O,P'-DDE	µg/kg	NE	NE	NE		0.41 U	NA	0.35 U	0.36 U	0.41 U	0.39 U	NA	0.41 U
P,P'-DDE	µg/kg	NE	NE	NE		0.36 U	NA	0.74	0.6	0.36 U	0.35 U	NA	0.76
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.41 U	NA	0.92	0.78	0.41 U	0.39 U	NA	0.97
O,P'-DDT	µg/kg	NE	NE	NE		0.48 U	NA	0.42 U	0.43 U	0.48 U	0.47 U	NA	0.48 U
P,P'-DDT	µg/kg	NE	NE	NE		0.24 U	NA	10	4.7	0.24 U	0.88	NA	7
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.48 U	NA	10.2	4.9	0.48 U	1.1	NA	7.2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.48 U	NA	**11.3**	**6.1**	2.1	1.7	NA	**8.5**
ALDRIN	µg/kg	2	NE	NE		0.41 U	NA	0.35 U	0.36 U	0.41 U	0.39 U	NA	0.41 U
DIELDRIN	µg/kg	0.07	NE	NE		0.4 U	NA	0.34 U	0.36 U	0.4 U	0.38 U	NA	0.4 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 UJ	NA	0.14 UJ	0.15 U	0.16 UJ	0.16 UJ	NA	0.16 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.32 U	NA	0.28 U	0.29 U	0.32 U	0.31 U	NA	0.32 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.33 U	NA	0.29 U	0.3 U	0.33 U	0.32 U	NA	0.33 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.5 U	NA	0.43 U	0.45 U	0.5 U	0.48 U	NA	0.5 U
Oxychlordane	µg/kg	NE	NE	NE		0.67 U	NA	0.58 U	0.6 U	0.67 U	0.64 U	NA	0.67 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.3 U	NA	0.26 U	0.27 U	0.3 U	0.29 U	NA	0.3 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.67 U	NA	0.58 U	0.6 U	0.67 U	0.64 U	NA	0.67 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		58.2	7.36	16.3	11.9	10.6	48	7.84	46.3
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		248	25.7	60.3	33.1	32	199 J	24.2	66
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.33 J	0.49 J	1.17 J	0.649 J	0.589 J	2.94 J	0.457 J	2.1 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**6.68**	0.25 UJ	**7.53**	**3.92 J**	**0.581 J**	**5.65**	**0.9 J**	**17.6**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.18 J	0.286 J	1.18 J	0.505 J	0.366 U	2.06 J	0.381 U	1.83 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.61 J	0.944 J	1.13 J	0.691 J	0.717 J	2.05 J	0.218 J	2.2 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		8.09	0.902 J	3.11 J	1.74 J	1.01 J	6.53	0.874 J	5.31
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.881 J	0.33 U	0.558 U	0.344 U	0.38 U	1.71 J	0.289 U	1.14 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.79 J	0.472 J	2.15 J	1.2 J	0.443 J	2.58 J	0.431 J	3.5 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		40.1 J	6.92	17.3	7.12	0.282 U	3.16 J	0.607 J	31.1
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**2.03 J**	**0.326 J**	**2.08 J**	**1.36 J**	0.319 U	**1.46 J**	**0.317 J**	**2.86 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.71 J	0.252 U	1.52 J	0.927 J	0.609 J	2.41 J	0.489 J	2.52 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**5.44**	**1.08 J**	**2.21 J**	**1.86 J**	**0.461 J**	**2.9 J**	0.2 UJ	**2.19 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**7.96**	0.608 U	**1.8**	**1.68 J**	0.67 U	**1.26**	0.309 J	1.14 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.476 U	0.322 U	0.292 U	0.324 U	0.323 U	0.27 U	0.269 U	0.439 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		413	46.7 J	109	66.7 J	66.8	373	45.7 J	129
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		68.9 J	8.79 J	33.1 J	21.1 J	10.2 J	74 J	9.68 J	63.3 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		48.1 J	5.95 J	23.3 J	17 J	7.29 J	48.3 J	6.38 J	35.3 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		251	28.9	44.4	36.1	45.5	141	22.2	43
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2090	231	370	259	495	1540 J	202	410
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		169 J	28.1 J	59.1 J	42.2 J	5.49 J	28.2 J	5.7 J	92.3 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		11.2 J	1.52 J	9.25 J	9.97 J	0.951 J	12.4 J	2.65 J	11.7 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		213	27.4 J	13.8	12.2 J	1.7 J	12.3	2.69 J	13.8
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.68 J	0.322 U	4.03 J	6.42 J	0.323 U	7.46 J	0.92 J	1.21

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-074-OHW	SIB-074-OHW	SIB-074-TOB	SIB-074-TOB	SIB-075-MLW	SIB-075-OHW	SIB-075-OHW	SIB-075-TOB
					Sample ID	SIB-074-OHW-0-1-10132022	SIB-074-OHW-1-2-10132022	SIB-074-TOB-0-1-10132022	SIB-074-TOB-1-2-10132022	SIB-075-MLW-0-1-10132022	SIB-075-OHW-0-1-10132022	SIB-075-OHW-1-2-10132022	SIB-075-TOB-0-1-10132022
TOTAL HpCDFs	pg/g	NE	NE	NE		283 J	30.2 J	52.5 J	37.2 J	33 J	198 J	28.6 J	99.7 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**12.2 J**	1.8 J	6.2 J	3.9 J	1.5 J	8 J	1.2 J	9.4 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	18	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	7.04	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	18	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	8.73	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	8.22	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	99.4	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	25.8	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	15.4	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	13.5	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	15.4	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	18.3	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	15.9	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	16.5	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	15.2	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	16.2	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	468	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	139	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	69.1	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	333	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	250	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	11.8	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	29.3	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	78.6	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	110	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	666	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	10.8	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	19.1	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	186	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	8.1	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	347	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	8.48	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	9.04	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	23.6	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	101	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	16.2	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	16.3	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	960	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	357	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	6240	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	1250	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	54.8	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	79.6	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	961	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-074-OHW	SIB-074-OHW	SIB-074-TOB	SIB-074-TOB	SIB-075-MLW	SIB-075-OHW	SIB-075-OHW	SIB-075-TOB
					Sample ID	SIB-074-OHW-0-1-10132022	SIB-074-OHW-1-2-10132022	SIB-074-TOB-0-1-10132022	SIB-074-TOB-1-2-10132022	SIB-075-MLW-0-1-10132022	SIB-075-OHW-0-1-10132022	SIB-075-OHW-1-2-10132022	SIB-075-TOB-0-1-10132022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	243	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	293	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	328	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	73.2	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	654	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	551	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	49.2	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	54.6	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	137	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	26.9	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	2600	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	20	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	18.7	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	20.9	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	3640	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	29.2	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	16.3	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	682	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	423	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	13.2	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	423	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	13.2	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	28.6	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	33.7	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	35.5	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	291	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	36.2	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	17.8	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	75.4	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	19.2	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	27.3	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	119	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	37.7	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	45.9	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	14.4	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	138	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	10	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	22.4	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	81.1	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	7.97	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	10.7	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	235	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	156	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	27.3	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	229	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	418	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	1720	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-074-OHW	SIB-074-OHW	SIB-074-TOB	SIB-074-TOB	SIB-075-MLW	SIB-075-OHW	SIB-075-OHW	SIB-075-TOB
					Sample ID	SIB-074-OHW-0-1-10132022	SIB-074-OHW-1-2-10132022	SIB-074-TOB-0-1-10132022	SIB-074-TOB-1-2-10132022	SIB-075-MLW-0-1-10132022	SIB-075-OHW-0-1-10132022	SIB-075-OHW-1-2-10132022	SIB-075-TOB-0-1-10132022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	3220	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	22.9	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	213	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	18	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	714	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	18.3	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	17.3	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	1750	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	4.08	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	1420	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	18.7	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	3.12	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	1390	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	185	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	22.4	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	42.2	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	202	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	3370	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	12.9	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	11.8	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	12.9	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	11.8	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	36.4	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	65.6	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	3780	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	14	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	12.9	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	28	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	22.8	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	43400	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	377	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	11.8	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	13.1	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	18.5	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	44.9	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	15.3	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	5.05	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	4.92	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	56.1	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	13.1	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	4.69	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	348	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	2.9	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	22.6	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	16	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	17.2	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	16.7	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-074-OHW	SIB-074-OHW	SIB-074-TOB	SIB-074-TOB	SIB-075-MLW	SIB-075-OHW	SIB-075-OHW	SIB-075-TOB
					Sample ID	SIB-074-OHW-0-1-10132022	SIB-074-OHW-1-2-10132022	SIB-074-TOB-0-1-10132022	SIB-074-TOB-1-2-10132022	SIB-075-MLW-0-1-10132022	SIB-075-OHW-0-1-10132022	SIB-075-OHW-1-2-10132022	SIB-075-TOB-0-1-10132022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	9.97	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	16.5	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	44.6	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	16.7	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	15.2	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	13.9	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	9.43	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	16.2	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	9.66	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	23.3	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	16	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	18.7	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	14.6	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	17.4	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	8.02	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	8.08	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	6.82	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	7.29	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	7.2	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	5.94	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	5.43	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	4.87	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	5.6	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	6.44	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	5.65	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	6.45	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	6.35	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	7.4	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	5.69	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	8.5	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	7.77	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	9.94	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	8.17	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	8.53	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	44100 J	NA	NA	2150 J	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2 U	NA	1.9 U	NA	2.2 U	1.9 U	NA	1.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		190	NA	100	NA	4.6 U	140	NA	99 J
ARSENIC	mg/kg	3	NE	NE		2.78	NA	**3.38**	2.78	**3.22**	**3.02**	2.34	**3.21**
CADMIUM	mg/kg	0.51	NE	NE		0.2	NA	0.42	0.5	0.07 J	0.13	0.05 J	0.22
COPPER	mg/kg	359	NE	NE		36.8	NA	25.3	23	17.5	24.2	18	26.3
LEAD	mg/kg	196	NE	NE		19.9	NA	45.6	28.3 J	7.72	10	4.8 J	36.7
ZINC	mg/kg	459	NE	NE		103 J	NA	118 J	91	78.8 J	191 J	54.2	104 J
MERCURY	mg/kg	0.085	NE	NE		0.0638	NA	0.0557	0.0692 J	0.0449	0.0265	0.0842 J	0.0639
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.5 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-074-OHW	SIB-074-OHW	SIB-074-TOB	SIB-074-TOB	SIB-075-MLW	SIB-075-OHW	SIB-075-OHW	SIB-075-TOB
					Sample ID	SIB-074-OHW-0-1-10132022	SIB-074-OHW-1-2-10132022	SIB-074-TOB-0-1-10132022	SIB-074-TOB-1-2-10132022	SIB-075-MLW-0-1-10132022	SIB-075-OHW-0-1-10132022	SIB-075-OHW-1-2-10132022	SIB-075-TOB-0-1-10132022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.5 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.5 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.5 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.5 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		160	19.3	7.8 U	7.8 U	1.8 J	3.7 J	1.5 U	7.8 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		89	15.9 J	131	224 J	1 J	4.9	3.3 J	151
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**271**	**39.8**	**157**	**250**	7.4	**13.2**	8.4	**177**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		53 J	NA	43 J	NA	14 J	44 J	NA	120 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	NA	0.37 U	NA	0.44 U	0.38 U	NA	0.37 U
ACENAPHTHENE	µg/kg	NE	NE	NE		1.1 J	NA	1.2 J	NA	3 J	0.99 J	NA	1.5 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.29 U	NA	0.28 U	NA	0.33 U	0.29 U	NA	0.28 U
ANTHRACENE	µg/kg	NE	NE	NE		1.8 J	NA	2.3 J	NA	4.8 J	3.7 J	NA	2.5 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		14	NA	18	NA	4.6 J	10	NA	16
BENZO(A)PYRENE	µg/kg	NE	NE	NE		29	NA	29	NA	7.1	20	NA	30
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		27	NA	42	NA	6	33	NA	33
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		16	NA	25	NA	4.3 J	13	NA	19
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		9.2	NA	14	NA	2 J	9.5	NA	11
CHRYSENE	µg/kg	NE	NE	NE		19	NA	28	NA	5.9	26	NA	23
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		3.4 J	NA	3.6 J	NA	0.47 J	2.4 J	NA	2.8 J
FLUORANTHENE	µg/kg	NE	NE	NE		24	NA	30	NA	14	25	NA	29
FLUORENE	µg/kg	NE	NE	NE		0.59 U	NA	0.57 U	NA	0.67 U	0.58 U	NA	0.57 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		17	NA	25	NA	4 J	15	NA	20
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.49 U	NA	0.47 U	NA	0.55 U	0.48 U	NA	0.47 U
PHENANTHRENE	µg/kg	NE	NE	NE		0.61 U	NA	0.59 U	NA	0.69 U	0.6 U	NA	0.59 U
PYRENE	µg/kg	NE	NE	NE		23	NA	36	NA	24	23	NA	31
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		186	NA	255	NA	81.5	183	NA	220
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		38.3 J	NA	41.3 J	NA	9.1 J	28.3 J	NA	39.8 J
SOLIDS, PERCENT	%	NE	NE	NE		93.7	NA	97.9	95.4	83	93.7	NA	97.1
TOTAL ORGANIC CARBON	%	NE	NE	NE		3.15	NA	1.02	NA	0.19	1.97	NA	1.94

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-075-TOB	SIB-076-MLW	SIB-076-MLW	SIB-076-OHW	SIB-076-TOB	SIB-076-TOB	SIB-077-MLW	SIB-077-MLW
					Sample ID	SIB-075-TOB-1-2-10132022	SIB-076-MLW-0-1-10122022	SIB-076-MLW-1-2-10122022	SIB-076-OHW-0-1-10122022	SIB-076-TOB-0-1-10122022	SIB-076-TOB-1-2-10122022	SIB-077-MLW-0-1-10122022	SIB-077-MLW-1-2-10122022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	0.61 U	NA	3.1	0.98 J	NA	0.62 U	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.28 U	0.41 U	NA	1.9	0.33 U	0.29 U	0.44 U	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.16 U	1.7	NA	3.8	0.62	0.25 J	0.3 J	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.28 U	1.9	NA	5.7	0.79	0.4	0.52	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.35 U	0.51 U	NA	0.91	0.41 U	0.36 U	0.55 U	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.89	0.46 U	NA	3.4	0.8	0.84	0.49 U	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		1.1	0.51 U	NA	4.3	1	1	0.55 U	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.42 U	0.61 U	NA	1.9	0.49 U	0.43 U	0.65 U	NA
P,P'-DDT	µg/kg	NE	NE	NE		2.5	0.31 UJ	NA	6 J	5.9 J	5.8	0.33 UJ	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		2.7	0.61 U	NA	7.9	6.1	6	0.65 U	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		4	2.9	NA	**17.9**	**7.9**	**7.4**	1.5	NA
ALDRIN	µg/kg	2	NE	NE		0.35 U	0.51 U	NA	**2.1**	0.41 U	0.36 U	0.55 U	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.34 U	0.5 U	NA	**3.7 J**	0.4 U	0.36 U	0.54 U	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.14 U	0.2 U	NA	0.85	0.16 U	0.15 U	0.22 U	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.28 U	0.4 U	NA	1.5	0.32 U	0.29 U	0.43 U	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.29 U	0.42 U	NA	1.4	0.33 U	0.3 U	0.45 U	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.43 U	0.63 U	NA	2.3	0.79	0.45 U	0.67 U	NA
Oxychlordane	µg/kg	NE	NE	NE		0.58 U	0.84 U	NA	1.4	0.67 U	0.6 U	0.9 U	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.26 U	0.38 UJ	NA	2.3 J	1.7 J	0.31 J	0.4 UJ	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.58 U	0.84 U	NA	**8.9**	**3.2**	1.1	0.9 U	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		11.4	36.3	55.7	1990	33.1	16.5	13.2	0.0759 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		39.4	26.7	52.2	5250	121	56.5	13.7	3.02 J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.831 J	0.574 J	0.958 J	174	3.16 J	1.43 J	0.686 U	0.105 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**4.86 J**	**0.65 J**	**1.15 J**	**59.7**	**7.86**	**6.87 J**	**0.435 J**	0.0871 U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.905 J	0.324 U	0.424 J	21.1 J	2.29 J	0.967 J	0.53 U	0.173 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.701 J	1.87 J	3.72 J	14.9 J	3.88 J	1.54 J	0.939 J	0.134 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.06 J	1.06 J	2.06 J	88.1	5.91	2.37 J	0.546 J	0.178 U
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.282 U	0.394 U	0.393 U	9.59 U	0.976 J	0.506 J	0.574 U	0.123 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.25 J	0.458 J	1.17 J	30.1	4.12 J	1.39 J	0.516 U	0.254 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		7.81	0.442 J	0.197 UJ	7.71 J	11.9	10.3	0.488 U	0.123 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.58 J**	**0.316 J**	**0.62 J**	**4.94 J**	**2.16 J**	**1.27 J**	0.427 U	0.175 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.873 J	0.921 J	2.06 J	30.1	6.29	2.49 J	0.885 J	0.0879 U
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**1.07 J**	**0.915 J**	**2.05 J**	**4.68 J**	**10.3**	**3.94 J**	**0.891 J**	0.111 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.74 J**	0.404 J	**0.708 J**	2.71 U	**2.79**	**2.16 J**	0.584 U	0.318 J
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.356 U	0.228 U	0.309 U	1.71 U	0.476 U	0.328 U	0.305 U	0.184 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		74.5	72.3	168	7480	214	101	37.9	8.04 J
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		22.1 J	20.4 J	50 J	1980 J	103 J	50.6 J	13.4 J	1.97 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		18.1 J	13.9 J	30.5 J	314 J	49 J	21.4 J	7.16 J	3.22 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		23.8	25.8	45.8	11300	84.8	44.7	10.5	1.21 J
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		276	358	1120	48700 J	728	380	193 J	37
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		28.2 J	12.8 J	35.7 J	106 J	175 J	91.1 J	9.9 J	0.753 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		8.54 J	2.58 J	8.37 J	16.6 J	16.1 J	11.2 J	1.39 J	1.44 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		12.7 J	7.08 J	20.7 J	9 J	53.8	28.8 J	3.82 J	2.88 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3 J	1 J	3.8 J	1.71 U	7.2 J	5.91 J	1.25	1.73 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-075-TOB	SIB-076-MLW	SIB-076-MLW	SIB-076-OHW	SIB-076-TOB	SIB-076-TOB	SIB-077-MLW	SIB-077-MLW
					Sample ID	SIB-075-TOB-1-2-10132022	SIB-076-MLW-0-1-10122022	SIB-076-MLW-1-2-10122022	SIB-076-OHW-0-1-10122022	SIB-076-TOB-0-1-10122022	SIB-076-TOB-1-2-10122022	SIB-077-MLW-0-1-10122022	SIB-077-MLW-1-2-10122022
TOTAL HpCDFs	pg/g	NE	NE	NE		30.7 J	68 J	116 J	12700 J	110 J	51.4 J	26.1	2.63 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		4.2 J	2 J	4 J	**125 J**	**11.1 J**	5.6 J	1.4 J	0.34 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	11.7	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	5.83	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	10.7	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	9.79	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	8.77	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	1590	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	21.3	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	10	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	8.77	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	10.2	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	12	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	10.3	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	42.9	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	10.1	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	10.8	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	591	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	194	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	111	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	662	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	396	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	30.3	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	90.1	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	160	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	319	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	1540	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	4.25	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	11.6	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	534	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	2.41	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	884	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	2.58	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	2.72	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	19.7	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	114	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	19.8	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	9.49	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	121	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	93.8	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	1560	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	407	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	17.4	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	29.1	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	639	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-075-TOB	SIB-076-MLW	SIB-076-MLW	SIB-076-OHW	SIB-076-TOB	SIB-076-TOB	SIB-077-MLW	SIB-077-MLW
					Sample ID	SIB-075-TOB-1-2-10132022	SIB-076-MLW-0-1-10122022	SIB-076-MLW-1-2-10122022	SIB-076-OHW-0-1-10122022	SIB-076-TOB-0-1-10122022	SIB-076-TOB-1-2-10122022	SIB-077-MLW-0-1-10122022	SIB-077-MLW-1-2-10122022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	68.7	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	218	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	27.8	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	16.4	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	253	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	283	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	16.4	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	17.6	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	84.1	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	6.63	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	1300	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	4.88	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	4.66	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	5.22	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	1530	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	18.3	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	4.58	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	88	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	78.3	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	11.1	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	78.3	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	11.1	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	10.3	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	11	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	11.3	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	101	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	11.7	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	12.9	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	867	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	76.2	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	365	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	442	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	262	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	159	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	82.1	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	652	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	76	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	149	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	371	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	3.39	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	17.8	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	38.1	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	30.7	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	22.8	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	84.4	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	48	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	232	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-075-TOB	SIB-076-MLW	SIB-076-MLW	SIB-076-OHW	SIB-076-TOB	SIB-076-TOB	SIB-077-MLW	SIB-077-MLW
					Sample ID	SIB-075-TOB-1-2-10132022	SIB-076-MLW-0-1-10122022	SIB-076-MLW-1-2-10122022	SIB-076-OHW-0-1-10122022	SIB-076-TOB-0-1-10122022	SIB-076-TOB-1-2-10122022	SIB-077-MLW-0-1-10122022	SIB-077-MLW-1-2-10122022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	652	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	13.7	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	73.9	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	10.4	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	184	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	11.1	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	10.2	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	514	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	3.11	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	222	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	14.9	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	2.75	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	77.2	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	15.7	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	8.38	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	10.9	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	41.9	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	579	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	7.77	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	7.71	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	7.77	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	7.71	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	8.21	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	7.88	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	330	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	8.46	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	7.71	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	9.16	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	8.38	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	21600	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	180	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	15.1	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	17.1	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	24.7	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	67.6	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	20.2	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	2.91	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	4.74	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	64.1	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	16.2	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	4.97	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	141	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	2.64	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	42.5	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	9.54	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	10.2	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	9.91	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-075-TOB	SIB-076-MLW	SIB-076-MLW	SIB-076-OHW	SIB-076-TOB	SIB-076-TOB	SIB-077-MLW	SIB-077-MLW
					Sample ID	SIB-075-TOB-1-2-10132022	SIB-076-MLW-0-1-10122022	SIB-076-MLW-1-2-10122022	SIB-076-OHW-0-1-10122022	SIB-076-TOB-0-1-10122022	SIB-076-TOB-1-2-10122022	SIB-077-MLW-0-1-10122022	SIB-077-MLW-1-2-10122022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	12.1	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	10.2	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	77.9	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	9.91	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	8.8	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	8.3	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	21.4	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	9.74	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	11.7	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	10.6	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	9.85	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	11.3	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	8.85	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	9.52	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	5.88	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	6.46	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	7.27	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	8.77	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	18.8	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	4.55	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	11.2	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	3.91	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	4.52	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	5.11	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	4.94	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	5.33	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	5.11	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	12.7	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	4.47	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	7.57	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	7.3	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	8.52	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	7.57	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	7.49	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	15300 J	21900 J	NA	NA	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	2.6 U	**370**	2 UJ	2 U	NA	2.6 U	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	230	630	240 J	160	NA	99 J	NA
ARSENIC	mg/kg	3	NE	NE		**3.04**	**3.73**	**4.06**	**4.04**	**3.3**	2.77	**3.77**	**3.59**
CADMIUM	mg/kg	0.51	NE	NE		0.12	0.11	0.21	**1.1**	0.27	0.16	0.11	0.12 J
COPPER	mg/kg	359	NE	NE		18.7	26.5	33.9	25	23.2	23.4	22.9	30.7
LEAD	mg/kg	196	NE	NE		13.5 J	11.4	16.6 J	32.1	41.9	19.9 J	10.7	6.99 J
ZINC	mg/kg	459	NE	NE		63.6	76.2	93.2	175	133	86	78.2	72.2
MERCURY	mg/kg	0.085	NE	NE		0.0481 J	**0.115**	**0.386 J**	**0.0874**	0.0724	0.0614 J	**0.0972 J**	0.0456 J
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	NA	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	7.8 U	7.8 U	1.5 U	1.6 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-075-TOB	SIB-076-MLW	SIB-076-MLW	SIB-076-OHW	SIB-076-TOB	SIB-076-TOB	SIB-077-MLW	SIB-077-MLW
					Sample ID	SIB-075-TOB-1-2-10132022	SIB-076-MLW-0-1-10122022	SIB-076-MLW-1-2-10122022	SIB-076-OHW-0-1-10122022	SIB-076-TOB-0-1-10122022	SIB-076-TOB-1-2-10122022	SIB-077-MLW-0-1-10122022	SIB-077-MLW-1-2-10122022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	7.8 U	7.8 U	1.5 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	7.8 U	7.8 U	1.5 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	7.8 U	7.8 U	1.5 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	7.8 U	7.8 U	1.5 U	1.6 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		19.2 J	1.6 U	NA	56.4 J	37.9 J	20.2	1.6 U	7.8 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		71.5 J	0.6 U	NA	53.3 J	66.5	55.1 J	7.5	3.1 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	NA	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**95.3**	1.6 U	NA	**132**	**127**	**79.7**	**12.9**	**29.4**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		NA	13 U	**220**	9.5 U	9.6 U	91 J	13 U	27 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	0.53 U	NA	0.38 U	0.39 U	NA	0.52 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	15	NA	17	0.94 J	NA	1.3 J	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	17	NA	9	0.3 U	NA	0.39 U	NA
ANTHRACENE	µg/kg	NE	NE	NE		NA	16	NA	99	1.8 J	NA	1.9 J	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	20	NA	140	13	NA	3.7 J	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	23	NA	120	25	NA	8	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	21	NA	110	27	NA	6.2 J	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	10	NA	44	17	NA	5.1 J	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	7.2	NA	42	8.9	NA	2 J	NA
CHRYSENE	µg/kg	NE	NE	NE		NA	27	NA	140	18	NA	5.2 J	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	1.2 J	NA	9.4	2.4 J	NA	0.57 J	NA
FLUORANTHENE	µg/kg	NE	NE	NE		NA	61	NA	250	23	NA	7.7	NA
FLUORENE	µg/kg	NE	NE	NE		NA	0.81 U	NA	0.59 U	0.6 U	NA	0.79 U	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	9	NA	61	20	NA	4.1 J	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	0.67 U	NA	0.49 U	0.5 U	NA	0.65 U	NA
PHENANTHRENE	µg/kg	NE	NE	NE		NA	70	NA	230	0.62 U	NA	0.82 U	NA
PYRENE	µg/kg	NE	NE	NE		NA	91	NA	310	25	NA	13	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	389	NA	1580	183	NA	60.4	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	29.3 J	NA	161	33.5 J	NA	10 J	NA
SOLIDS, PERCENT	%	NE	NE	NE		96.3	68.6	64.7	90	93	94.8	69.5	65
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	0.92	NA	3.05	3.04	NA	0.27	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-077-OHW	SIB-077-OHW	SIB-077-TOB	SIB-078-MLW	SIB-078-OHW	SIB-078-OHW	SIB-078-TOB	SIB-079-MLW
					Sample ID	SIB-077-OHW-0-1-10122022	SIB-077-OHW-1-2-10122022	SIB-077-TOB-0-1-10122022	SIB-078-MLW-0-1-10122022	SIB-078-OHW-0-1-10122022	SIB-078-OHW-1-2-10122022	SIB-078-TOB-0-1-10122022	SIB-079-MLW-0-1-10122022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		1 J	NA	7.7	1.2 J	0.45 U	NA	2.3	15
2,4'-DDD	µg/kg	NE	NE	NE		0.44 J	0.3 U	0.34 U	0.36 U	0.27 U	NA	0.93	0.38 U
P,P'-DDD	µg/kg	NE	NE	NE		2.8	0.26 J	2.1	0.2 U	0.16 J	NA	6.4	0.7
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		3.2	0.41	2.3	0.36 U	0.3	NA	7.3	0.89
O,P'-DDE	µg/kg	NE	NE	NE		0.38 U	0.38 U	0.42 U	0.45 U	0.34 U	NA	0.43 U	0.48 U
P,P'-DDE	µg/kg	NE	NE	NE		13	1.5	2.9	0.4 U	0.3 U	NA	11	0.43 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		13.2	1.7	3.1	0.45 U	0.34 U	NA	11.2	0.48 U
O,P'-DDT	µg/kg	NE	NE	NE		3.6	0.45 U	1.9	0.53 U	0.41 U	NA	32	0.57 U
P,P'-DDT	µg/kg	NE	NE	NE		27 J	3	22 J	0.27 UJ	0.77 J	NA	190	0.29 UJ
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		30.6	3.2	23.9	0.53 U	0.98	NA	222	0.57 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**47**	5.3	**29.3**	0.53 U	1.6	NA	**241**	1.8
ALDRIN	µg/kg	2	NE	NE		0.38 U	0.38 U	0.42 U	0.45 U	0.34 U	NA	**2.9**	0.48 U
DIELDRIN	µg/kg	0.07	NE	NE		**3.6**	**3.3**	**0.98 J**	0.44 U	0.33 U	NA	**7.7**	0.47 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.15 U	0.15 U	0.17 U	0.18 U	0.14 U	NA	0.17 U	0.19 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		4.5	1.4	3.2	0.81 J	0.27 U	NA	5.8	0.38 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		2.8	0.74 J	3.7	1.4	0.28 U	NA	7.2	0.39 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		3.6	0.79	3.5	0.55 U	0.42 U	NA	3	0.59 U
Oxychlordane	µg/kg	NE	NE	NE		1.6	0.62 U	1.3	0.73 U	0.56 U	NA	1.1 J	0.79 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		11 J	2.3	7.5 J	0.75 J	0.25 UJ	NA	7.7	0.35 UJ
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**23.5**	**5.5**	**19.2**	**3.6**	0.56 U	NA	**24.8**	0.79 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		86.7	12.1	62.3	3.17 J	39.7	44.3	198 J	30.3
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		491	45.9	227	7.69 J	84.6	104	958	46.3
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.67	0.582 J	4.25 J	1.29 U	1.74 J	1.94 J	19.1	2.74 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**11.8**	**1.58 J**	**14.8**	0.534 U	**3.74 J**	**2.81 J**	**26.9**	**1.39 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.96 J	0.836 J	4.46 J	0.719 U	1.32 U	1.22 J	14.7	0.991 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.61 J	0.786 J	5.28	0.558 U	1.51 J	2.91 J	23.3	2.64 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		14.7	1.75 J	12.2	0.626 U	3.43 J	4.38 J	49.2	1.83 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.02 J	0.224 J	1.99 J	0.994 U	1.17 U	0.692 U	10.5	1.46 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		9.02	1.27 J	7.51	0.668 U	3.56 J	1.68 J	30.5	1.3 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.5 J	2.09 J	2.77 J	0.478 U	0.531 U	3.74 J	12.4	1.18 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**2.51 J**	**0.878 J**	**4.24 J**	0.418 U	0.652 U	**1.09 J**	**14.5**	0.959 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.74	0.788 J	8.32	0.586 U	1.91 J	2.04 J	43.9	1.56 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**6.12**	**0.886 J**	**14**	0.442 U	**2.62 J**	**2.23 J**	**84.9 J**	1.09 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.86**	**0.612 J**	**4.85**	0.546 U	**0.666 J**	**0.644 J**	**3.81**	0.843 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.436 J**	0.274 U	**0.932 J**	0.315 U	0.34 U	0.261 U	**1.29**	0.401 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		1310	105 J	408	18	168	174 J	1460	129
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		126 J	17.2 J	150 J	3.91 J	53.3 J	59.1 J	748 J	32.4 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		150 J	20.3 J	94.7 J	2.4 J	26.8 J	35.4 J	220 J	24.5 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		190	24	124	5.31 J	86.7	117	210 J	49.3
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3270	323	1480	76.7	1060	1490	4740 J	770
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		86 J	15.4 J	224 J	2.88 J	39.8 J	42.9 J	718 J	42.2 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		18.1 J	7.47 J	32 J	0.418 U	3.27 J	10.4 J	55 J	18.1 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		34.7 J	6.92 J	115 J	0.546 U	8.58 J	14 J	278	8.74 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.22 J	0.898 J	14.6 J	0.315 U	1.36	3.14 J	13.3 J	3.81 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-077-OHW	SIB-077-OHW	SIB-077-TOB	SIB-078-MLW	SIB-078-OHW	SIB-078-OHW	SIB-078-TOB	SIB-079-MLW
					Sample ID	SIB-077-OHW-0-1-10122022	SIB-077-OHW-1-2-10122022	SIB-077-TOB-0-1-10122022	SIB-078-MLW-0-1-10122022	SIB-078-OHW-0-1-10122022	SIB-078-OHW-1-2-10122022	SIB-078-TOB-0-1-10122022	SIB-079-MLW-0-1-10122022
TOTAL HpCDFs	pg/g	NE	NE	NE		308 J	34.9 J	190 J	8.49 J	134 J	147 J	591 J	68.9 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**17.2 J**	2.8 J	**18.8 J**	0.84 J	4.5 J	5.6 J	**75.1 J**	2.9 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.8	10.9	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.9	6.03	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	14.3	24.7	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.88	8.5	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.18	9.24	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	422	272	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	32.3	21.1	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.5	9.55	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.9	8.65	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.6	9.43	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	16.1	11.1	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15	8.95	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	14.6	177	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.4	9.49	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	14.3	9.91	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	673	2540	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	178	742	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	107	314	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	449	2890	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	417	1760	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.6	116	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	25.9	301	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	179	706	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	152	1180	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1480	6020	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.76	17.3	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.7	9.07	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	335	1750	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	3.55	3.42	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	941	3660	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	3.72	3.65	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	3.95	8.8	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	26	92.4	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	131	548	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.5	96.6	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.13	7.69	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	140	517	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	55.8	285	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1430	5260	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	72.7	1210	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.7	30.3	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	19.8	84.6	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	97.1	1890	NA

Attachment C.1 (continued)
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					Location ID	SIB-077-OHW	SIB-077-OHW	SIB-077-TOB	SIB-078-MLW	SIB-078-OHW	SIB-078-OHW	SIB-078-TOB	SIB-079-MLW
					Sample ID	SIB-077-OHW-0-1-10122022	SIB-077-OHW-1-2-10122022	SIB-077-TOB-0-1-10122022	SIB-078-MLW-0-1-10122022	SIB-078-OHW-0-1-10122022	SIB-078-OHW-1-2-10122022	SIB-078-TOB-0-1-10122022	SIB-079-MLW-0-1-10122022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.3	182	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.2	535	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	24.5	85.3	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.6	43.5	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	65.7	811	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	246	732	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.9	10.7	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.6	11.9	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.84	281	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.63	2.98	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	360	4140	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.91	2.16	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.59	6.97	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.12	2.33	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1170	3930	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.9	38.7	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.42	1.95	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	52.3	329	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	74	369	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	8.69	8.48	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	74	369	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	8.69	8.48	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.99	16.4	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.9	7.52	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.5	7.69	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	85.6	397	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.7	8	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.5	10.2	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	286	569	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	28.4	69.9	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	106	156	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	413	1600	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	180	744	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	188	585	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	59.2	231	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	486	1860	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	44.9	172	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	101	341	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	323	935	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.58	2.18	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	25.5	76.2	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	47.3	210	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.5	71.6	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.3	39.9	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.32	145	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.1	119	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	27.1	363	NA

Attachment C.1 (continued)
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				Location ID	SIB-077-OHW	SIB-077-OHW	SIB-077-TOB	SIB-078-MLW	SIB-078-OHW	SIB-078-OHW	SIB-078-TOB	SIB-079-MLW
				Sample ID	SIB-077-OHW-0-1-10122022	SIB-077-OHW-1-2-10122022	SIB-077-TOB-0-1-10122022	SIB-078-MLW-0-1-10122022	SIB-078-OHW-0-1-10122022	SIB-078-OHW-1-2-10122022	SIB-078-TOB-0-1-10122022	SIB-079-MLW-0-1-10122022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	46.8	707	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	11.1	11.9	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.45	123	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.75	16.5	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	10.2	159	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.88	9.81	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.41	9.11	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	35.1	886	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	2.42	5.04	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	55.9	288	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.09	9.72	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	2.17	1.72	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	13	336	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.24	37.7	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.67	10.9	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	11.5	17.2	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.24	51.1	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	133	1350	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	6.29	6.7	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	5.71	6.05	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	6.29	6.7	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	5.71	6.05	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.77	11.5	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.77	14.9	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	47.9	647	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	6.82	7.24	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	6.24	6.82	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	10.7	34.2	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.84	11.9	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	12200	58400	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	21.2	225	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.69	31.6	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.64	18.1	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	13.6	17.3	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.86	82.3	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	11.2	13.3	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	3.93	4.72	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	3.82	11.6	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.99	52.8	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.64	11.8	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	3.63	7.79	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	13.3	136	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	2.74	2.33	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	5.42	53.9	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	4.95	5.25	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	5.29	5.8	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	5.16	5.69	NA

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					Location ID	SIB-077-OHW	SIB-077-OHW	SIB-077-TOB	SIB-078-MLW	SIB-078-OHW	SIB-078-OHW	SIB-078-TOB	SIB-079-MLW
					Sample ID	SIB-077-OHW-0-1-10122022	SIB-077-OHW-1-2-10122022	SIB-077-TOB-0-1-10122022	SIB-078-MLW-0-1-10122022	SIB-078-OHW-0-1-10122022	SIB-078-OHW-1-2-10122022	SIB-078-TOB-0-1-10122022	SIB-079-MLW-0-1-10122022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.33	8.97	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.1	25.2	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.2	111	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.14	5.59	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.67	5.19	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.27	4.79	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.92	35.3	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.99	5.48	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.09	9.01	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.82	56.6	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.95	5.48	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.78	6.49	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.5	5.08	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.2	5.65	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.33	4.2	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.39	5.65	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.24	15.6	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	8.79	5.88	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.69	28.6	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.44	12.1	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.97	13.5	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.46	2.69	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.12	3.02	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.88	3.49	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.18	3.38	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.9	3.65	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.8	3.57	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.75	23.4	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.2	4.09	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.8	11	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.31	7.64	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.86	32.3	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.56	6.17	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.82	6.38	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		75300 J	NA	NA	NA	NA	12600 J	58400 J	12700 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.1 U	NA	**570 J**	2.5 U	1.9 U	NA	2 U	2.5 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		270	NA	1600 J	65 J	4.1 U	NA	960	220
ARSENIC	mg/kg	3	NE	NE		**5.31**	**3.04**	**5.56**	**8.23**	2.87	NA	**5.62**	**3.72**
CADMIUM	mg/kg	0.51	NE	NE		**0.68**	0.33	**0.96**	0.07	0.15	NA	0.32	0.14
COPPER	mg/kg	359	NE	NE		29.2	19.7	49.8	17.8	29.7	NA	36.6	24.1
LEAD	mg/kg	196	NE	NE		30.5	13 J	132	10.5	15.6	NA	62.4 J	14.5
ZINC	mg/kg	459	NE	NE		121	55.1	235	82.4	85.7	NA	131	93.5
MERCURY	mg/kg	0.085	NE	NE		**0.0888 J**	0.063 J	**0.206**	0.0385 J	**0.141 J**	NA	**0.0858 J**	0.055 J
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U

Attachment C.1 (continued)
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				Location ID	SIB-077-OHW	SIB-077-OHW	SIB-077-TOB	SIB-078-MLW	SIB-078-OHW	SIB-078-OHW	SIB-078-TOB	SIB-079-MLW
				Sample ID	SIB-077-OHW-0-1-10122022	SIB-077-OHW-1-2-10122022	SIB-077-TOB-0-1-10122022	SIB-078-MLW-0-1-10122022	SIB-078-OHW-0-1-10122022	SIB-078-OHW-1-2-10122022	SIB-078-TOB-0-1-10122022	SIB-079-MLW-0-1-10122022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	7.8 U	1.6 U	159	33.9	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	166	62.9	274	59.1	1.6 U	2.9 J	7.8 U	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	62.3 J	25.8 J	272 J	11.1	16	18.1	83 J	9.4 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	2.9 U	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	**251**	**93.3**	**724**	**123**	**21.4**	**25.6**	**109**	**14.8**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	11 U	21 J	9.8 U	13 U	9.4 U	NA	110	12 U
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.42 U	NA	8.2 U	0.49 U	0.39 U	NA	0.4 U	0.47 U
ACENAPHTHENE	µg/kg	NE	NE	NE	1.4 J	NA	34 J	1.6 J	7.1	NA	2.2 J	23
ACENAPHTHYLENE	µg/kg	NE	NE	NE	0.32 U	NA	9 J	0.37 U	26	NA	0.3 U	19
ANTHRACENE	µg/kg	NE	NE	NE	3.2 J	NA	31 J	0.92 J	190	NA	3.3 J	38
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	17	NA	83 J	0.31 U	460	NA	18	40
BENZO(A)PYRENE	µg/kg	NE	NE	NE	22	NA	170	6.1 J	400	NA	31	42
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	37	NA	130	4.6 J	410	NA	42	46
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	12	NA	110	3.3 J	160	NA	47	27
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	12	NA	42 J	1.5 J	160	NA	13	18
CHRYSENE	µg/kg	NE	NE	NE	36	NA	110 J	4.2 J	420	NA	38	52
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	2.2 J	NA	16 J	0.48 J	35	NA	9.7	3.9 J
FLUORANTHENE	µg/kg	NE	NE	NE	63	NA	270	4.7 J	910	NA	44	150
FLUORENE	µg/kg	NE	NE	NE	0.65 U	NA	13 U	0.76 U	0.6 U	NA	0.61 U	0.72 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	15	NA	110 J	3.2 J	220	NA	34	26
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.54 U	NA	11 U	0.63 U	0.5 U	NA	0.5 U	0.59 U
PHENANTHRENE	µg/kg	NE	NE	NE	0.67 U	NA	210	0.78 U	290	NA	0.63 U	130
PYRENE	µg/kg	NE	NE	NE	56	NA	290	11	870	NA	44	190
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	278	NA	1630	43.3	4560	NA	327	806
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	31.3 J	NA	219 J	7.4 J	546	NA	50.3	57.3 J
SOLIDS, PERCENT	%	NE	NE	NE	86.9	94.2	89.6	73	95.1	NA	92.5	73.3
TOTAL ORGANIC CARBON	%	NE	NE	NE	3.84	NA	8.99	0.22	0.71	NA	3.53	1.07

Attachment C.1 (continued)
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					Location ID	SIB-079-MLW	SIB-079-OHW	SIB-079-OHW	SIB-079-TOB	SIB-079-TOB	SIB-080-MLW	SIB-080-MLW	SIB-080-OHW
					Sample ID	SIB-079-MLW-1-2-10122022	SIB-079-OHW-0-1-10122022	SIB-079-OHW-1-2-10122022	SIB-079-TOB-0-1-10122022	SIB-079-TOB-1-2-10122022	SIB-080-MLW-0-1-10122022	SIB-080-MLW-1-2-10122022	SIB-080-OHW-0-1-10122022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	0.45 U	NA	1.5	NA	0.55 U	0.88 J	2.8
2,4'-DDD	µg/kg	NE	NE	NE		NA	0.32 U	NA	0.29 U	NA	0.36 U	0.33 U	0.36 U
P,P'-DDD	µg/kg	NE	NE	NE		NA	0.19 J	NA	0.16 U	NA	0.2 U	0.48 J	1.7
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	0.35	NA	0.29 U	NA	0.36 U	0.65	1.9
O,P'-DDE	µg/kg	NE	NE	NE		NA	0.41 U	NA	0.37 U	NA	0.44 U	0.42 U	0.45 U
P,P'-DDE	µg/kg	NE	NE	NE		NA	0.36 U	NA	0.32 U	NA	0.39 U	0.37 U	1.4
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	0.41 U	NA	0.37 U	NA	0.44 U	0.42 U	1.6
O,P'-DDT	µg/kg	NE	NE	NE		NA	0.48 U	NA	0.43 U	NA	0.53 U	0.49 U	1.3
P,P'-DDT	µg/kg	NE	NE	NE		NA	0.63 J	NA	0.9 J	NA	0.27 UJ	0.25 UJ	13 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	0.87	NA	1.1	NA	0.53 U	0.49 U	14.3
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	1.6	NA	1.7	NA	0.53 U	1.4	**17.8**
ALDRIN	µg/kg	2	NE	NE		NA	0.41 U	NA	0.37 U	NA	0.44 U	0.42 U	0.45 U
DIELDRIN	µg/kg	0.07	NE	NE		NA	0.4 U	NA	0.36 U	NA	0.43 U	0.41 U	0.43 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	0.16 U	NA	0.15 U	NA	0.18 U	0.17 U	0.18 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.32 U	NA	0.29 U	NA	0.35 U	0.33 U	8.4
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.33 U	NA	0.3 U	NA	0.36 U	0.34 U	9.4
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.5 U	NA	0.45 U	NA	0.54 U	0.51 U	2.1
Oxychlordane	µg/kg	NE	NE	NE		NA	0.66 U	NA	0.6 U	NA	0.73 U	0.68 U	1.5
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.3 UJ	NA	0.83 J	NA	0.33 UJ	0.31 UJ	8.8 J
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	0.66 U	NA	**1.7**	NA	0.73 U	0.68 U	**30.2**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		66.5	62	31.2	27.2	19.3	16.4	50.4	3610
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		74.7	34.2	35.2	103	76.7	93.6	296	19700
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.17 J	1.68 U	0.903 J	2.11 U	1.22 J	1.22 U	2.22 J	150
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**1.53 J**	**1.82 J**	**1.45 J**	**3.5 J**	**3.55 J**	**2.63 J**	**7.23**	**585**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.719 J	1.04 U	0.49 J	1.88 J	1.59 J	1.03 U	3.62 J	382 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.43 J	0.853 U	0.608 J	2.1 J	1.48 J	1.13 J	3.59 J	213
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.79 J	1.82 J	1.33 J	5.67	3.62 J	3.2 J	11.9	820
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.515 J	1.54 U	0.31 U	1.3 U	0.649 J	1.37 U	2.43 J	235
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.46 J	0.995 U	0.64 J	4.23 J	2.67 J	2.29 J	5.45	390 U
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.705 J	1.5 J	1.76 J	1.64 J	2.74 J	0.628 J	1.87 J	113
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**0.892 J**	0.859 U	**0.45 J**	**2.14 J**	**1.6 J**	**0.73 J**	**2.51**	**118**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.76 J	1.31 J	0.849 J	3.1 J	1.93 J	1.22 J	4.06 J	258
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**3.42 J**	**1.19 J**	**0.865 J**	**2.92 J**	**1.97 J**	**1.41 J**	**5.31**	**366**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.635 U	0.652 U	**0.438 J**	**1.56**	**1.39 J**	**0.63 J**	**0.759 J**	**38.5**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.294 U	0.378 U	0.232 U	**0.642 J**	0.293 U	0.352 U	0.335 U	**11.8 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		237	68.3	65.7	184	146	176	518	33400
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		66.4 J	36.9 J	25.5 J	45.4 J	32.1 J	37 J	134 J	9730 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		48.7 J	12.3 J	12.2 J	39.7 J	30.6 J	17.1 J	68.6 J	2960
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		64	48.9	45.9	32.2	28.6	18.3	51	2210
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1470	400	490	556	465	898	2590	164000 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		53.7 J	19.9 J	16.4 J	33.7 J	28 J	10.9 J	49.9 J	2400 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		13.1 J	1.3 J	4 J	13.3 J	10.9 J	2.01 J	13.8 J	418
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		20.2 J	4.98 J	7.33 J	11.7	17.7 J	0.63 J	9.44 J	648
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6.19 J	1.49	1.74 J	2 J	3.42 J	0.352 U	1.52 J	40.5

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-079-MLW	SIB-079-OHW	SIB-079-OHW	SIB-079-TOB	SIB-079-TOB	SIB-080-MLW	SIB-080-MLW	SIB-080-OHW
					Sample ID	SIB-079-MLW-1-2-10122022	SIB-079-OHW-0-1-10122022	SIB-079-OHW-1-2-10122022	SIB-079-TOB-0-1-10122022	SIB-079-TOB-1-2-10122022	SIB-080-MLW-0-1-10122022	SIB-080-MLW-1-2-10122022	SIB-080-OHW-0-1-10122022
TOTAL HpCDFs	pg/g	NE	NE	NE		139 J	128	76.3 J	61.5	46.6 J	48	156 J	11600
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		5.4 J	2.9 J	2.3 J	7.5 J	5.2 J	4 J	**12.5 J**	**781 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.4	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.97	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.5	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.36	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.03	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	61.8	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	32.9	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.9	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.2	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.8	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.3	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	44.5	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.1	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	328	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	109	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	61.3	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	385	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	233	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.2	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	50.9	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	98.7	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	163	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	783	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	4.17	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.95	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	242	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	2.96	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	503	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.17	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.33	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.6	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	67	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.8	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.68	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	127	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	80.2	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	1160	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	315	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.4	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	449	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-079-MLW	SIB-079-OHW	SIB-079-OHW	SIB-079-TOB	SIB-079-TOB	SIB-080-MLW	SIB-080-MLW	SIB-080-OHW
					Sample ID	SIB-079-MLW-1-2-10122022	SIB-079-OHW-0-1-10122022	SIB-079-OHW-1-2-10122022	SIB-079-TOB-0-1-10122022	SIB-079-TOB-1-2-10122022	SIB-080-MLW-0-1-10122022	SIB-080-MLW-1-2-10122022	SIB-080-OHW-0-1-10122022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	61.5	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	124	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	27.7	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.9	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	168	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	235	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.2	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.3	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	49.3	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.88	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	967	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	2.86	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	2.74	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.07	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	971	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	31.3	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	2.49	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	77.8	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	80	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.07	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	80	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.07	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.6	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.49	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.75	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	86.1	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.1	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.09	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	73	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.57	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.7	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	181	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	90.9	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	77.7	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	31.4	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	217	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.5	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	42.5	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	115	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.15	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	38.9	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	37	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	32.4	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	86.3	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	51.3	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	199	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-079-MLW	SIB-079-OHW	SIB-079-OHW	SIB-079-TOB	SIB-079-TOB	SIB-080-MLW	SIB-080-MLW	SIB-080-OHW
					Sample ID	SIB-079-MLW-1-2-10122022	SIB-079-OHW-0-1-10122022	SIB-079-OHW-1-2-10122022	SIB-079-TOB-0-1-10122022	SIB-079-TOB-1-2-10122022	SIB-080-MLW-0-1-10122022	SIB-080-MLW-1-2-10122022	SIB-080-OHW-0-1-10122022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	427	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.6	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	74.4	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.8	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	127	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.6	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.6	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	433	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.29	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	215	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.7	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	2.15	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	124	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.5	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.46	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.1	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	591	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.83	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.77	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.83	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.77	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.14	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.73	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	335	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.61	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.77	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.47	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.49	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13200	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	266	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	28.1	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.4	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	81.7	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.7	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.62	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.65	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	60.7	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.4	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.63	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	130	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.09	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	73.4	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.9	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.7	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.4	NA

Attachment C.1 (continued)
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					Location ID	SIB-079-MLW	SIB-079-OHW	SIB-079-OHW	SIB-079-TOB	SIB-079-TOB	SIB-080-MLW	SIB-080-MLW	SIB-080-OHW
					Sample ID	SIB-079-MLW-1-2-10122022	SIB-079-OHW-0-1-10122022	SIB-079-OHW-1-2-10122022	SIB-079-TOB-0-1-10122022	SIB-079-TOB-1-2-10122022	SIB-080-MLW-0-1-10122022	SIB-080-MLW-1-2-10122022	SIB-080-OHW-0-1-10122022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	31.7	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	180	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.4	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.9	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.2	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	33.4	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.9	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.65	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	33.8	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.3	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.2	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.9	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.6	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.6	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	85.3	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.8	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.8	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	31.2	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.69	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.71	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.71	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.4	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.12	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.73	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	50.9	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.63	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.1	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.81	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	54.8	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.12	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.01	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	NA	NA	NA	13600 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.6 U	1.9 U	NA	2 U	NA	2.4 U	2.3 U	**210 J**
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		300	61 J	NA	130	NA	5.1 U	4.9 U	1200 J
ARSENIC	mg/kg	3	NE	NE		**4.53**	2.79	NA	**3.98**	**4.17**	2.36	NA	**9.35**
CADMIUM	mg/kg	0.51	NE	NE		0.22	0.1	NA	0.3	0.31	0.08	NA	**1.29**
COPPER	mg/kg	359	NE	NE		36.3	27.9	NA	28.7	25.5	17.4	NA	176
LEAD	mg/kg	196	NE	NE		15.7 J	11.8	NA	26.7	20 J	17.8	NA	**893**
ZINC	mg/kg	459	NE	NE		92.8	73.2	NA	89.9	78.1	66.8	NA	**941**
MERCURY	mg/kg	0.085	NE	NE		**0.178 J**	**0.104 J**	NA	0.0324 J	0.0247 J	0.033 J	NA	**0.111 J**
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-079-MLW	SIB-079-OHW	SIB-079-OHW	SIB-079-TOB	SIB-079-TOB	SIB-080-MLW	SIB-080-MLW	SIB-080-OHW
					Sample ID	SIB-079-MLW-1-2-10122022	SIB-079-OHW-0-1-10122022	SIB-079-OHW-1-2-10122022	SIB-079-TOB-0-1-10122022	SIB-079-TOB-1-2-10122022	SIB-080-MLW-0-1-10122022	SIB-080-MLW-1-2-10122022	SIB-080-OHW-0-1-10122022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.6	1.6 U	1.6 U	1.6 U	1.6 U	150 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		7	1.6 U	14	9.7 J	8.3	1.6 U	4.9	477 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		13.6 J	10.3	11.8 J	12	8.9	6.7	7	194 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**25.2**	**15.7**	**37.2**	**26.3**	**21.8**	**12.1**	**16.5**	**840**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		45 J	9.2 UJ	9.7 U	9.6 U	59 J	12 U	88 J	**1300 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	0.39 U	NA	0.4 U	NA	0.48 U	0.46 U	0.44 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	36	NA	1.1 J	NA	0.67 J	1.4 J	6.9
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	8.9	NA	0.3 U	NA	0.37 U	0.35 U	14
ANTHRACENE	µg/kg	NE	NE	NE		NA	27	NA	1.2 J	NA	1.7 J	4 J	14
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	71	NA	11	NA	9.5	11	53
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	67	NA	22	NA	14	13	110
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	61	NA	23	NA	19	19	260
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	29	NA	13	NA	11	8	93
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	23	NA	8.1	NA	6.9	6.6	83
CHRYSENE	µg/kg	NE	NE	NE		NA	73	NA	16	NA	13	15	190
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	5.4	NA	2 J	NA	1.9 J	1.3 J	18
FLUORANTHENE	µg/kg	NE	NE	NE		NA	120	NA	22	NA	22	26	630
FLUORENE	µg/kg	NE	NE	NE		NA	0.6 U	NA	0.61 U	NA	0.74 U	0.71 U	0.68 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	37	NA	13	NA	11	8.8	110
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	0.49 U	NA	0.51 U	NA	0.61 U	0.59 U	0.56 U
PHENANTHRENE	µg/kg	NE	NE	NE		NA	130	NA	0.63 U	NA	0.77 U	0.74 U	180
PYRENE	µg/kg	NE	NE	NE		NA	150	NA	22	NA	17	30	490
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	839	NA	156	NA	129	146	2250
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	89.6	NA	28.8 J	NA	19.9 J	18.3 J	171
SOLIDS, PERCENT	%	NE	NE	NE		68.1	95	91.9	92.8	93	76.5	78.1	84.7
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	0.79	NA	2.1	NA	0.34	0.46	15.3

Attachment C.1 (continued)
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					Location ID	SIB-080-TOB	SIB-081-MLW	SIB-081-MLW	SIB-081-OHW	SIB-081-OHW	SIB-081-TOB	SIB-081-TOB	SIB-082-MLW
					Sample ID	SIB-080-TOB-0-1-10122022	SIB-081-MLW-0-1-10122022	SIB-081-MLW-1-2-10122022	SIB-081-OHW-0-1-10122022	SIB-081-OHW-1-2-10122022	SIB-081-TOB-0-1-10122022	SIB-081-TOB-1-2-10122022	SIB-082-MLW-0-1-10112022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		5.9	0.56 U	NA	2.15	NA	3.8	NA	0.59 U
2,4'-DDD	µg/kg	NE	NE	NE		0.3 U	0.38 UJ	NA	0.3 UJ	NA	0.34 UJ	NA	0.4 UJ
P,P'-DDD	µg/kg	NE	NE	NE		1.5	0.21 U	NA	0.17 U	NA	0.19 U	NA	0.22 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		1.7	0.38 U	NA	0.3 U	NA	0.34 U	NA	0.4 U
O,P'-DDE	µg/kg	NE	NE	NE		0.38 U	0.47 U	NA	0.38 U	NA	0.43 U	NA	0.5 U
P,P'-DDE	µg/kg	NE	NE	NE		1.6	0.42 UJ	NA	0.34 UJ	NA	0.38 UJ	NA	0.44 UJ
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		1.8	0.47 U	NA	0.38 U	NA	0.43 U	NA	0.5 U
O,P'-DDT	µg/kg	NE	NE	NE		1.8	0.56 UJ	NA	0.45 UJ	NA	0.51 UJ	NA	0.59 UJ
P,P'-DDT	µg/kg	NE	NE	NE		14 J	0.28 UJ	NA	0.23 UJ	NA	2.3 J	NA	0.3 UJ
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		15.8	0.56 U	NA	0.45 U	NA	2.6	NA	0.59 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**19.2**	0.56 U	NA	0.45 U	NA	3.2	NA	0.59 U
ALDRIN	µg/kg	2	NE	NE		0.38 U	0.47 UJ	NA	0.38 UJ	NA	0.43 UJ	NA	0.5 UJ
DIELDRIN	µg/kg	0.07	NE	NE		**2.1**	0.46 U	NA	0.37 U	NA	0.42 U	NA	0.48 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.19 J	0.19 UJ	NA	0.15 UJ	NA	0.17 UJ	NA	0.2 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		2.6	0.37 U	NA	0.3 U	NA	0.34 U	NA	0.39 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		3.4	0.38 U	NA	0.31 U	NA	0.35 U	NA	0.4 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		1.3	0.58 U	NA	0.47 U	NA	0.52 U	NA	0.61 U
Oxychlordane	µg/kg	NE	NE	NE		0.62 U	0.77 U	NA	0.62 U	NA	0.7 U	NA	0.81 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		3.2 J	0.35 UJ	NA	0.28 UJ	NA	0.31 UJ	NA	0.37 UJ
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**10.8**	0.77 U	NA	0.62 U	NA	0.7 U	NA	0.81 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		100	0.614 U	NA	36.85	14.5 J	309	142 J	0.311 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		427	9.47 J	NA	208.5	71.8	949	529	2.43 J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		7.68	0.918 U	NA	2.62 J	0.91 J	9.02	5.25	0.485 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**20**	0.392 U	NA	**6.79**	**2.23 J**	**15.9**	**12.9**	0.241 U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		8.92	0.694 U	NA	2.84 J	1.18 J	10.5	7.03	0.638 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		18.1	0.358 U	NA	2.565 J	2.15 J	6.72	8.13	0.211 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		24.5	0.646 U	NA	8.95 J	3.54 J	32.4	26.1	0.63 U
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		8.54	0.688 U	NA	2.62 J	0.714 J	5.51	3.76 J	0.413 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		14.7	0.646 U	NA	4.44 J	2.14 J	18.3	12.2	0.618 U
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.29 J	0.38 U	NA	1.69 J	3.24 J	4.14 J	8.68	0.275 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**6.72 J**	0.466 U	NA	**1.84 J**	**0.98 J**	**7.52**	**4.2**	0.359 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		33.7	0.452 U	NA	2.925 J	0.842 J	8.35	5.67	0.253 U
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**81.4**	0.34 U	NA	**3.18 J**	**1.15 J**	**8.19**	**5.84**	0.249 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**3.41**	0.636 U	NA	**1.08 J**	0.392 U	**2.01**	**1.31**	0.573 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**1.12**	0.464 U	NA	0.314 U	0.228 U	**0.858 J**	**0.468 J**	0.365 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		701	19.5	NA	387.5	128	1760	952 J	7.02 J
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		521 J	2.7 J	NA	96.95 J	32.9 J	339	199 J	0.211 U
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		140 J	2.33 J	NA	47.6 J	20.3 J	185	130 J	1.95 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		90.2	2.92 U	NA	49.1	22.2	254	139	1.05 U
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2440	78.2	NA	1605	567 J	6470 J	3670	26.6
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		855 J	0.79 J	NA	33.05 J	15.9 J	98.6 J	71.3 J	0.197 U
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		45.3 J	0.466 U	NA	5.135 J	4.38 J	27.8 J	23 J	0.443 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		260	0.636 U	NA	2.255 J	1.03 J	22.3	19 J	1.79
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		12.6 J	0.464 U	NA	0.813 J	1.86 J	12.2 J	9.34 J	1

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-080-TOB	SIB-081-MLW	SIB-081-MLW	SIB-081-OHW	SIB-081-OHW	SIB-081-TOB	SIB-081-TOB	SIB-082-MLW
					Sample ID	SIB-080-TOB-0-1-10122022	SIB-081-MLW-0-1-10122022	SIB-081-MLW-1-2-10122022	SIB-081-OHW-0-1-10122022	SIB-081-OHW-1-2-10122022	SIB-081-TOB-0-1-10122022	SIB-081-TOB-1-2-10122022	SIB-082-MLW-0-1-10112022
TOTAL HpCDFs	pg/g	NE	NE	NE		279 J	4.09 J	NA	127 J	46.7 J	840	370 J	1.2 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**51.7 J**	0.87 J	NA	9	3.9 J	**35.6 J**	**22.3 J**	0.62 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-080-TOB	SIB-081-MLW	SIB-081-MLW	SIB-081-OHW	SIB-081-OHW	SIB-081-TOB	SIB-081-TOB	SIB-082-MLW
					Sample ID	SIB-080-TOB-0-1-10122022	SIB-081-MLW-0-1-10122022	SIB-081-MLW-1-2-10122022	SIB-081-OHW-0-1-10122022	SIB-081-OHW-1-2-10122022	SIB-081-TOB-0-1-10122022	SIB-081-TOB-1-2-10122022	SIB-082-MLW-0-1-10112022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-080-TOB	SIB-081-MLW	SIB-081-MLW	SIB-081-OHW	SIB-081-OHW	SIB-081-TOB	SIB-081-TOB	SIB-082-MLW
					Sample ID	SIB-080-TOB-0-1-10122022	SIB-081-MLW-0-1-10122022	SIB-081-MLW-1-2-10122022	SIB-081-OHW-0-1-10122022	SIB-081-OHW-1-2-10122022	SIB-081-TOB-0-1-10122022	SIB-081-TOB-1-2-10122022	SIB-082-MLW-0-1-10112022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-080-TOB	SIB-081-MLW	SIB-081-MLW	SIB-081-OHW	SIB-081-OHW	SIB-081-TOB	SIB-081-TOB	SIB-082-MLW
					Sample ID	SIB-080-TOB-0-1-10122022	SIB-081-MLW-0-1-10122022	SIB-081-MLW-1-2-10122022	SIB-081-OHW-0-1-10122022	SIB-081-OHW-1-2-10122022	SIB-081-TOB-0-1-10122022	SIB-081-TOB-1-2-10122022	SIB-082-MLW-0-1-10112022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	6340 J	NA	NA	NA	171 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		20 UJ	2.4 U	NA	1.9 U	NA	2 U	NA	2.5 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		570 J	5.1 U	NA	4 U	NA	160	NA	5.4 U
ARSENIC	mg/kg	3	NE	NE		**4.95**	**6.56**	**5.58**	2.445	2.71	2.61	**3.26**	**3.54**
CADMIUM	mg/kg	0.51	NE	NE		**0.51**	0.04 U	0.05 J	0.12	0.11	0.36	0.19	0.08
COPPER	mg/kg	359	NE	NE		37.1	14.6	16.9	23.75	20.6	29.4	33.1	35.6
LEAD	mg/kg	196	NE	NE		58.6	3.7	4.11	14.4	7.87	31.3	17.5	6.29
ZINC	mg/kg	459	NE	NE		261	48.6	53.3	77.2	74.4	99.4	85.7	69.4
MERCURY	mg/kg	0.085	NE	NE		0.0469 J	0.0106 J	0.0405 J	**0.08545 J**	0.0551 J	**0.105 J**	**0.119 J**	0.0382 J
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U

Attachment C.1 (continued)
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					Location ID	SIB-080-TOB	SIB-081-MLW	SIB-081-MLW	SIB-081-OHW	SIB-081-OHW	SIB-081-TOB	SIB-081-TOB	SIB-082-MLW
					Sample ID	SIB-080-TOB-0-1-10122022	SIB-081-MLW-0-1-10122022	SIB-081-MLW-1-2-10122022	SIB-081-OHW-0-1-10122022	SIB-081-OHW-1-2-10122022	SIB-081-TOB-0-1-10122022	SIB-081-TOB-1-2-10122022	SIB-082-MLW-0-1-10112022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	25.7	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		92.9 J	5.5	23.1	2.55 J	1.6 U	7.8 U	11.6	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		92.7 J	0.6 U	0.6 U	6.1	6.3	52	38.2	0.6 U
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**208**	**10.4**	**52.9**	**13.3**	**11.7**	**78.3**	**54.4**	1.6 U
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		9.4 UJ	12 UJ	NA	25 J	NA	110 J	NA	13 UJ
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	0.47 U	NA	0.37 U	NA	0.39 U	NA	0.52 U
ACENAPHTHENE	µg/kg	NE	NE	NE		2 J	0.39 U	NA	0.3 U	NA	0.32 U	NA	0.42 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.3 U	0.36 U	NA	0.28 U	NA	5.1 J	NA	0.39 U
ANTHRACENE	µg/kg	NE	NE	NE		3.1 J	1.3 J	NA	1.15 J	NA	5.8	NA	0.41 U
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		18	0.3 U	NA	10	NA	42	NA	0.32 U
BENZO(A)PYRENE	µg/kg	NE	NE	NE		36	5.2 J	NA	17.5	NA	65	NA	0.53 U
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		35	3.2 J	NA	22.5	NA	86	NA	0.64 J
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		23	1.8 J	NA	12	NA	41	NA	0.56 U
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		12	1.2 J	NA	7.4	NA	27	NA	0.34 U
CHRYSENE	µg/kg	NE	NE	NE		29	2.9 J	NA	19.5	NA	64	NA	0.44 J
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		3.7 J	0.3 U	NA	1.9 J	NA	7	NA	0.32 U
FLUORANTHENE	µg/kg	NE	NE	NE		46	0.8 U	NA	21	NA	82	NA	0.88 U
FLUORENE	µg/kg	NE	NE	NE		0.6 U	0.73 U	NA	0.57 U	NA	0.6 U	NA	0.8 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		20	1.7 J	NA	14	NA	47	NA	0.5 U
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.49 U	0.6 U	NA	0.47 U	NA	0.5 U	NA	0.66 U
PHENANTHRENE	µg/kg	NE	NE	NE		0.62 U	0.75 U	NA	0.59 U	NA	31	NA	0.82 U
PYRENE	µg/kg	NE	NE	NE		47	7.8	NA	20	NA	80	NA	1.1 J
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		276	27.5	NA	148	NA	584	NA	5.9
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		47.1 J	5.9 J	NA	24.1	NA	89.8	NA	0.53 J
SOLIDS, PERCENT	%	NE	NE	NE		91.8	75.5	NA	97.5	NA	90.7	NA	70.1
TOTAL ORGANIC CARBON	%	NE	NE	NE		4.19	0.27	NA	0.575	NA	2.55	NA	0.37

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-082-MLW	SIB-082-OHW	SIB-082-TOB	SIB-083-MLW	SIB-083-OHW	SIB-083-TOB	SIB-083-TOB	SIB-084-MLW
					Sample ID	SIB-082-MLW-1-2-10112022	SIB-082-OHW-0-1-10112022	SIB-082-TOB-0-1-10112022	SIB-083-MLW-0-1-10112022	SIB-083-OHW-0-1-10112022	SIB-083-TOB-0-1-10112022	SIB-083-TOB-1-2-10112022	SIB-084-MLW-0-1-10112022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	27	7.2	0.61 U	2.2	3.3	NA	0.67 U
2,4'-DDD	µg/kg	NE	NE	NE		NA	0.24 UJ	0.28 UJ	0.4 UJ	0.35 UJ	0.31 UJ	NA	0.43 UJ
P,P'-DDD	µg/kg	NE	NE	NE		NA	0.14 U	0.16 U	0.22 U	1	1	NA	0.24 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	0.24 U	0.28 U	0.4 U	1.2	1.2	NA	0.43 U
O,P'-DDE	µg/kg	NE	NE	NE		NA	0.3 U	0.35 U	0.5 U	0.43 U	0.38 U	NA	0.54 U
P,P'-DDE	µg/kg	NE	NE	NE		NA	0.27 UJ	0.44 J	0.44 UJ	0.38 UJ	0.51 J	NA	0.48 UJ
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	0.3 U	0.62	0.5 U	0.43 U	0.7	NA	0.54 U
O,P'-DDT	µg/kg	NE	NE	NE		NA	0.36 UJ	0.42 UJ	0.59 UJ	0.51 UJ	0.45 UJ	NA	0.64 UJ
P,P'-DDT	µg/kg	NE	NE	NE		NA	0.18 UJ	2.8 J	0.3 UJ	2.6 J	3.7 J	NA	0.32 UJ
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	0.36 U	3	0.59 U	2.9	3.9	NA	0.64 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	0.36 U	3.8	0.59 U	4.4	5.8	NA	0.64 U
ALDRIN	µg/kg	2	NE	NE		NA	0.3 UJ	0.35 UJ	0.5 UJ	0.43 UJ	0.38 UJ	NA	0.54 UJ
DIELDRIN	µg/kg	0.07	NE	NE		NA	0.29 U	0.34 U	0.49 U	0.42 U	0.37 U	NA	0.53 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	0.12 UJ	0.14 UJ	0.2 UJ	0.17 UJ	0.15 UJ	NA	0.22 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	2.5	0.28 U	0.39 U	0.34 U	0.3 U	NA	0.43 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	4.5	0.29 U	0.4 U	0.35 U	0.31 U	NA	0.44 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.68	0.43 U	0.61 U	0.53 U	0.47 U	NA	0.66 U
Oxychlordane	µg/kg	NE	NE	NE		NA	0.49 U	0.58 U	0.82 U	0.71 U	0.63 U	NA	0.89 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	2.3 J	0.26 UJ	0.37 UJ	0.32 UJ	0.28 UJ	NA	0.4 UJ
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	**10.2**	0.58 U	0.82 U	0.71 U	0.63 U	NA	0.89 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	554	126	12.1	79.5	77	38 J	0.188 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	4530	984	27.9	269	241	147	6.2
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	31.5	7.35	1.31 U	5.04 U	5.27 U	1.88 J	0.298 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		NA	**53.5**	**13.8**	0.686 U	**6.22 J**	**6.74**	**3.46 J**	0.197 U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	57.9	13.6 J	1.31 U	2.66 J	3.43 J	2.08 J	0.213 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	33.4 J	5.83	0.66 U	3.71 J	2.77 J	1.51 J	0.188 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	174	39.7	1.54 J	9.56 J	8.98	9.29	0.237 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	16.9 J	5.09 U	1.27 U	3.12 U	2.06 U	0.986 J	0.334 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	115 J	22	1.23 U	4.16 J	4.13 J	3.32 J	0.318 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	16.7 J	6.19 J	0.652 U	2.28 J	2.46 J	2.44 J	0.134 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		NA	**47.8**	**6.5**	0.66 U	**2.35 J**	**1.86 J**	**1.5 J**	0.249 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	38.7 J	7.6	0.77 U	3.94 J	3.2 J	1.91 J	0.203 U
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		NA	**35.3**	**7.43 J**	0.632 U	**3.58 J**	**4.15 J**	**2.46 J**	0.13 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		NA	**29.5**	**4.77**	0.818 U	**2.26 J**	**2 J**	0.834 U	**0.437 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		NA	**3.33 J**	**0.89 J**	0.175 U	0.416 U	0.343 U	0.42 U	0.423 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		NA	8520	1790	59.8	551	464	255	12.3
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	1100 J	241	10.5 J	130 J	111 J	55.4 J	1.03 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	1080	226 J	8.45 J	63.3 J	56.1 J	40 J	2.9 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		NA	1030	377	16.6	266	223	94.9	0.62 U
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	29700 J	6830 J	261	3590	2560	1360	39.2
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		NA	505 J	100 J	3.26 J	68.5 J	53.9 J	27.4 J	0.644 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		NA	192	38.5 J	0.66 U	16.4 J	11.1 J	6.56 J	0.328 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		NA	312 J	37.3	1.62	31 J	18.9	6.04	3.94 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		NA	22.3 J	13 J	3.06 J	12.4 J	4.98	2.51 J	7.01 J

Attachment C.1 (continued)
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					Location ID	SIB-082-MLW	SIB-082-OHW	SIB-082-TOB	SIB-083-MLW	SIB-083-OHW	SIB-083-TOB	SIB-083-TOB	SIB-084-MLW
					Sample ID	SIB-082-MLW-1-2-10112022	SIB-082-OHW-0-1-10112022	SIB-082-TOB-0-1-10112022	SIB-083-MLW-0-1-10112022	SIB-083-OHW-0-1-10112022	SIB-083-TOB-0-1-10112022	SIB-083-TOB-1-2-10112022	SIB-084-MLW-0-1-10112022
TOTAL HpCDFs	pg/g	NE	NE	NE		NA	1700 J	553	28.6	297	308 J	137 J	2.27 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		NA	**174 J**	**34.1 J**	1.5 J	**11.8 J**	**10.6 J**	7.1 J	0.59 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		46.6	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		13.1	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		49	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		15.1	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		13.9	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		5.82	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		69.5	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		38.4	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		34	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		40.8	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		47.3	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		52	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		46	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		40.4	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		42.7	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		9.11	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		8.78	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		8.9	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		7.91	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		9.05	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		7.2	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		5.46	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		7.71	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		5.34	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		7.02	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		6.66	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		7.91	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		7.88	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		4.89	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		6.21	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		5.19	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		4.65	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		10.6	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		6.72	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		6.54	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		6.57	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		8.6	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		11.5	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		9.77	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		10.4	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		11.7	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		11.6	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		9.5	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-082-MLW	SIB-082-OHW	SIB-082-TOB	SIB-083-MLW	SIB-083-OHW	SIB-083-TOB	SIB-083-TOB	SIB-084-MLW
					Sample ID	SIB-082-MLW-1-2-10112022	SIB-082-OHW-0-1-10112022	SIB-082-TOB-0-1-10112022	SIB-083-MLW-0-1-10112022	SIB-083-OHW-0-1-10112022	SIB-083-TOB-0-1-10112022	SIB-083-TOB-1-2-10112022	SIB-084-MLW-0-1-10112022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		12.4	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		7.41	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		9.65	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		9.2	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		9.89	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		8.99	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		10.8	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		11.9	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		9.83	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		8.72	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		9.17	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		6.96	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		6.54	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		7.53	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		7.88	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		7.71	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		4.41	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		7.56	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		6.96	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		6	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		6.96	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		6	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		5.31	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		7.74	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		7.82	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		7.47	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		7.94	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		9.08	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		25.3	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		17.7	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		16.5	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		15.8	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		8.6	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		16.9	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		6.27	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		8.57	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		6.18	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		5.64	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		7.74	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		6.27	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		14.1	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		5.61	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		17.1	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		20.6	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		14.8	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		11.5	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		11.8	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-082-MLW	SIB-082-OHW	SIB-082-TOB	SIB-083-MLW	SIB-083-OHW	SIB-083-TOB	SIB-083-TOB	SIB-084-MLW
					Sample ID	SIB-082-MLW-1-2-10112022	SIB-082-OHW-0-1-10112022	SIB-082-TOB-0-1-10112022	SIB-083-MLW-0-1-10112022	SIB-083-OHW-0-1-10112022	SIB-083-TOB-0-1-10112022	SIB-083-TOB-1-2-10112022	SIB-084-MLW-0-1-10112022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		12.3	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		17.6	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		14.9	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		13.9	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		16.6	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		14.2	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		13.3	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		16.5	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		8.57	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		11.5	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		14.7	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		6.24	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		9.86	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		8.96	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		9.8	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		12.1	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		8.15	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		13.6	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		10	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		10.3	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		10	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		10.3	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		8.57	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		8.54	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		8.96	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		11.3	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		10.2	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		16.5	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		9.77	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		13.6	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		10.1	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		12.8	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		14.5	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		22.4	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		13.6	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		19.1	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		9.35	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		9.41	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		12.2	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		14.7	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		9.02	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		16.2	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		3.96	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		11.5	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		9.77	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		10.4	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		10.5	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

				Location ID	SIB-082-MLW	SIB-082-OHW	SIB-082-TOB	SIB-083-MLW	SIB-083-OHW	SIB-083-TOB	SIB-083-TOB	SIB-084-MLW
				Sample ID	SIB-082-MLW-1-2-10112022	SIB-082-OHW-0-1-10112022	SIB-082-TOB-0-1-10112022	SIB-083-MLW-0-1-10112022	SIB-083-OHW-0-1-10112022	SIB-083-TOB-0-1-10112022	SIB-083-TOB-1-2-10112022	SIB-084-MLW-0-1-10112022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	11.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	10.1	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	10.9	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	10.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	9.29	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	8.81	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	10.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	10.4	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	10.4	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	14.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	11	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	12.9	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	9.14	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	12.1	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	20.7	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	21.7	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	18.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	19.7	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	15.9	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	15.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	15.9	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	15.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	14.5	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	13.6	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	15	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	18.1	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	15.6	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	17.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	17	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	14.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	15.2	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	20.2	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	18.3	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	22.4	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	18.9	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	19.4	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	1140 J	NA	NA	NA	35300 J	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	NA	**2200 J**	2.1 U	2.6 U	2 U	2 U	NA	2.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	NA	8900 J	500	5.6 U	310	120	NA	6.2 U
ARSENIC	mg/kg	3	NE	NE	**3.68**	**16.7**	2.94	**5.12**	**3.05**	**3.38**	**3.52**	**3.48**
CADMIUM	mg/kg	0.51	NE	NE	0.1 J	**1.89**	**0.69**	0.08	0.24	0.19	0.11	0.07
COPPER	mg/kg	359	NE	NE	30.8	124	47	21.8	34.1	29	25.6	34.7
LEAD	mg/kg	196	NE	NE	5.56 J	**262**	44.2	10.7	21.2	23.1	17.5	6.35
ZINC	mg/kg	459	NE	NE	68	338	212	64.1	124	87.5	83.7	66
MERCURY	mg/kg	0.085	NE	NE	0.0354 J	**0.221 J**	**0.103 J**	0.027 J	**0.157 J**	**0.124 J**	0.083 J	0.0364
Aroclor 1262	µg/kg	NE	NE	NE	NA	2.9 U	2.9 U	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	NA	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-082-MLW	SIB-082-OHW	SIB-082-TOB	SIB-083-MLW	SIB-083-OHW	SIB-083-TOB	SIB-083-TOB	SIB-084-MLW
					Sample ID	SIB-082-MLW-1-2-10112022	SIB-082-OHW-0-1-10112022	SIB-082-TOB-0-1-10112022	SIB-083-MLW-0-1-10112022	SIB-083-OHW-0-1-10112022	SIB-083-TOB-0-1-10112022	SIB-083-TOB-1-2-10112022	SIB-084-MLW-0-1-10112022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		NA	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		NA	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		NA	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		NA	7.8 U	7.8 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		NA	196 J	28.6	1.6 U	7.8 U	7.8 U	8	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		NA	273 J	47.2	0.6 U	33.6	33.6	14.9	0.6 U
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		NA	2.9 U	2.9 U	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		NA	**491**	**98.2**	1.6 U	**59.9**	**59.9**	**27.5**	1.6 U
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		NA	**4100**	**200**	13 UJ	38 J	66 J	NA	14 UJ
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	4 U	0.4 U	0.51 U	0.4 U	0.4 U	NA	0.58 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	3.2 U	8.1	0.41 U	0.33 U	3.8 J	NA	0.47 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	3 U	0.31 U	0.39 U	0.31 U	5.3	NA	0.44 U
ANTHRACENE	µg/kg	NE	NE	NE		NA	17 J	6.9	0.4 U	3.7 J	6.4	NA	0.45 U
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	88	49	0.32 U	19	32	NA	0.36 U
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	150	84	4.7 J	44	54	NA	0.59 U
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	250	120	3.5 J	50	58	NA	1.3 J
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	240	59	2 J	25	41	NA	0.68 J
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	68	38	0.74 J	16	21	NA	0.38 U
CHRYSENE	µg/kg	NE	NE	NE		NA	180	99	2.4 J	45	47	NA	0.8 J
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	26 J	12	0.32 U	3.4 J	4.5 J	NA	0.36 U
FLUORANTHENE	µg/kg	NE	NE	NE		NA	250	200	0.86 U	83	75	NA	0.98 U
FLUORENE	µg/kg	NE	NE	NE		NA	6.1 U	0.62 U	0.78 U	0.62 U	0.61 U	NA	0.89 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	200	65	2.1 J	28	45	NA	0.56 U
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	5 U	0.51 U	0.65 U	0.51 U	0.5 U	NA	0.73 U
PHENANTHRENE	µg/kg	NE	NE	NE		NA	130	140	0.81 U	67	40	NA	0.92 U
PYRENE	µg/kg	NE	NE	NE		NA	270	170	3.1 J	68	78	NA	0.5 U
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	1880	1050	21.3	453	512	NA	6.9
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	231 J	120	5.4 J	57.3 J	72.3 J	NA	0.65 J
SOLIDS, PERCENT	%	NE	NE	NE		NA	92.6	89	69.9	91.3	93.8	NA	63.2
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	8.01	8.74	0.49	5.35	1.82	NA	0.6

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-084-MLW	SIB-084-OHW	SIB-084-OHW	SIB-084-TOB	SIB-084-TOB	SIB-085-MLW	SIB-085-MLW	SIB-085-OHW
					Sample ID	SIB-084-MLW-1-2-10112022	SIB-084-OHW-0-1-10112022	SIB-084-OHW-1-2-10112022	SIB-084-TOB-0-1-10112022	SIB-084-TOB-1-2-10112022	SIB-085-MLW-0-1-10112022	SIB-085-MLW-1-2-10112022	SIB-085-OHW-0-1-10112022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	5.7	NA	2.4	NA	0.65 U	NA	4.9
2,4'-DDD	µg/kg	NE	NE	NE		NA	0.33 UJ	NA	0.3 UJ	NA	0.45 UJ	NA	0.31 UJ
P,P'-DDD	µg/kg	NE	NE	NE		NA	0.19 U	NA	0.17 U	NA	0.25 U	NA	0.17 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	0.33 U	NA	0.3 U	NA	0.45 U	NA	0.31 U
O,P'-DDE	µg/kg	NE	NE	NE		NA	0.42 U	NA	0.37 U	NA	0.56 U	NA	0.38 U
P,P'-DDE	µg/kg	NE	NE	NE		NA	0.37 UJ	NA	0.52 J	NA	0.5 UJ	NA	0.34 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	0.42 U	NA	0.71	NA	0.56 U	NA	0.38 U
O,P'-DDT	µg/kg	NE	NE	NE		NA	0.5 UJ	NA	0.44 UJ	NA	0.66 UJ	NA	0.45 UJ
P,P'-DDT	µg/kg	NE	NE	NE		NA	0.25 UJ	NA	1.6 J	NA	0.33 UJ	NA	0.23 U
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	0.5 U	NA	1.8	NA	0.66 U	NA	0.45 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	0.5 U	NA	2.8	NA	0.66 U	NA	0.45 U
ALDRIN	µg/kg	2	NE	NE		NA	0.42 UJ	NA	0.37 UJ	NA	0.56 UJ	NA	0.38 U
DIELDRIN	µg/kg	0.07	NE	NE		NA	0.41 U	NA	0.36 U	NA	0.54 U	NA	0.37 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	0.17 UJ	NA	0.15 UJ	NA	0.22 UJ	NA	0.15 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.33 U	NA	0.29 U	NA	0.44 U	NA	0.3 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.34 U	NA	0.3 U	NA	0.45 U	NA	0.31 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.51 U	NA	0.46 U	NA	0.68 U	NA	0.47 U
Oxychlordane	µg/kg	NE	NE	NE		NA	0.68 U	NA	0.61 U	NA	0.92 U	NA	0.62 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.31 UJ	NA	0.28 UJ	NA	0.41 UJ	NA	0.28 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	0.68 U	NA	0.61 U	NA	0.92 U	NA	0.62 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.262 J	28.4	5.49 J	10.3	2.19 J	0.205 U	NA	184
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.15 J	179	31	62.1	8.58	3.39 J	NA	1090
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.193 U	2.73 U	0.3 J	2.4 U	0.3 U	0.305 U	NA	6.92
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		0.173 U	**4.89 J**	**0.662 J**	**1.98 J**	0.612 U	0.16 U	NA	**27.9**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.354 U	3.05 J	0.578 J	2.02 U	0.306 U	0.263 U	NA	11.2
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.164 U	1.58 J	1.04 J	0.972 U	0.55 U	0.159 U	NA	9.75
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.342 U	7.3	1.62 J	2.82 J	0.586 J	0.251 U	NA	40
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.248 U	1.95 U	0.322 U	1.81 U	0.886 U	0.251 U	NA	8.3
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.354 J	3.84 J	1.06 J	1.78 U	0.296 U	0.319 J	NA	19.8
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.174 U	2.55 J	1.65 J	1.98 J	1.63 J	0.119 U	NA	6.37
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.316 U	**1.31 J**	**0.472 J**	1.49 U	**0.314 J**	0.192 U	NA	**4.98**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.174 U	1.92 J	0.394 J	1.24 U	0.592 U	0.174 U	NA	11
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.151 U	**2.66 J**	**0.572 J**	**1.49 J**	0.264 U	0.105 U	NA	**13.1**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.304 U	**1.78**	0.27 U	**2.31 J**	0.328 U	0.251 J	NA	**3.32**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.428 U	0.483 U	0.232 U	0.198 U	0.296 U	0.247 U	NA	**0.39 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		4.49 J	363	55.6	115	14.9	8.05 J	NA	1910
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.208 J	59.1 J	11.3 J	19.8 J	2.75 J	0.438 J	NA	424 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.25 J	42 J	10.4 J	13.7 J	2.75 J	1.745 J	NA	213 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.362 U	62.1	6.74 J	21.7	3.97 J	0.494 U	NA	139
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		17.5	1470	212	442	59.4	28.8	NA	7510 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		0.151 U	30.4 J	6.84 J	18.1 J	7.09 J	0.201 J	NA	140 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.402 J	3.66 J	1.94 J	1.49 U	1.17 J	0.964 J	NA	28.4 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		4.22	6.12 J	0.74 J	11.6 J	1.07 J	2.31 J	NA	25.1 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		10.6 J	0.85 J	0.278 J	3.55	0.836 J	3.07 J	NA	8 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-084-MLW	SIB-084-OHW	SIB-084-OHW	SIB-084-TOB	SIB-084-TOB	SIB-085-MLW	SIB-085-MLW	SIB-085-OHW
					Sample ID	SIB-084-MLW-1-2-10112022	SIB-084-OHW-0-1-10112022	SIB-084-OHW-1-2-10112022	SIB-084-TOB-0-1-10112022	SIB-084-TOB-1-2-10112022	SIB-085-MLW-0-1-10112022	SIB-085-MLW-1-2-10112022	SIB-085-OHW-0-1-10112022
TOTAL HpCDFs	pg/g	NE	NE	NE		0.262 J	89.4	15 J	31.7	5.62 J	0.906 J	NA	569 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		0.55 J	7.5 J	1.8 J	3.3 J	0.92 J	0.4	NA	**37.7 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	16.5	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	4.88	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	16	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.93	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.4	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	41.5	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	30.3	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.2	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	12.4	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.4	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	16.9	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	17	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	15.6	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.3	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	15.3	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	58.1	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.9	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.4	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	53.4	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	37.5	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.7	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.12	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	21.1	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	17.3	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	148	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.17	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	11.9	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	34	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.55	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	108	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.86	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.9	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.96	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	19.4	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.55	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.75	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	35.5	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	17.4	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	314	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	42.5	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.5	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.9	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	47.1	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-084-MLW	SIB-084-OHW	SIB-084-OHW	SIB-084-TOB	SIB-084-TOB	SIB-085-MLW	SIB-085-MLW	SIB-085-OHW
					Sample ID	SIB-084-MLW-1-2-10112022	SIB-084-OHW-0-1-10112022	SIB-084-OHW-1-2-10112022	SIB-084-TOB-0-1-10112022	SIB-084-TOB-1-2-10112022	SIB-085-MLW-0-1-10112022	SIB-085-MLW-1-2-10112022	SIB-085-OHW-0-1-10112022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	15.7	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	12.2	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	11.7	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	11.5	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	27.4	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	39.4	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.6	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.7	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.26	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.33	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	110	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.67	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.45	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.98	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	215	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.1	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.15	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	35.4	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	17.6	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.02	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	17.6	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.02	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.65	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.11	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.37	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	17.2	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.75	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.05	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	42.3	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.5	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	17.8	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	46.6	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	16.5	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	16.5	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.03	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	64.6	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.52	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.3	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	35.1	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.63	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.8	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	15.4	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	17.7	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	20.5	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	22.2	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	19.6	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	67.8	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-084-MLW	SIB-084-OHW	SIB-084-OHW	SIB-084-TOB	SIB-084-TOB	SIB-085-MLW	SIB-085-MLW	SIB-085-OHW
					Sample ID	SIB-084-MLW-1-2-10112022	SIB-084-OHW-0-1-10112022	SIB-084-OHW-1-2-10112022	SIB-084-TOB-0-1-10112022	SIB-084-TOB-1-2-10112022	SIB-085-MLW-0-1-10112022	SIB-085-MLW-1-2-10112022	SIB-085-OHW-0-1-10112022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	95	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	18.3	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	15.3	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.9	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	19	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.7	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.6	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	94.2	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.95	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	39.9	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.3	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.55	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	32.6	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.8	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.03	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	11.7	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.35	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	113	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.4	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.3	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.4	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.3	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.11	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.09	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	82.7	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	11.3	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.3	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	11.9	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.05	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	2510	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	47.6	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.25	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	11	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	15.9	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	18.3	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	13	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.18	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.2	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.64	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.4	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.02	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	49.1	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.43	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.58	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.95	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.35	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.17	NA	NA	NA

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					Location ID	SIB-084-MLW	SIB-084-OHW	SIB-084-OHW	SIB-084-TOB	SIB-084-TOB	SIB-085-MLW	SIB-085-MLW	SIB-085-OHW
					Sample ID	SIB-084-MLW-1-2-10112022	SIB-084-OHW-0-1-10112022	SIB-084-OHW-1-2-10112022	SIB-084-TOB-0-1-10112022	SIB-084-TOB-1-2-10112022	SIB-085-MLW-0-1-10112022	SIB-085-MLW-1-2-10112022	SIB-085-OHW-0-1-10112022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.77	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.33	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.6	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.17	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.48	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.18	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.55	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.95	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.51	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.12	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.13	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.04	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.52	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.01	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.05	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.66	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.65	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.83	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.35	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.67	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.67	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.31	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.03	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.65	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.24	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.59	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.5	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.26	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.39	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.61	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.27	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.05	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.29	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.29	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.21	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	18200 J	3010 J	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	2 U	NA	1.9 U	NA	2.7 U	NA	2 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	220	NA	50 J	NA	5.9 U	NA	110
ARSENIC	mg/kg	3	NE	NE		**3.55**	2.39	NA	2.43	NA	**4.805**	**3.46**	2.57
CADMIUM	mg/kg	0.51	NE	NE		0.17	0.33	NA	0.13	NA	0.075 J	0.07 J	0.26
COPPER	mg/kg	359	NE	NE		35.8	23.4	NA	20.1	NA	35.3	36.3	30.9
LEAD	mg/kg	196	NE	NE		6.32	16.3	NA	14.5	NA	6.45	6.77	28.8
ZINC	mg/kg	459	NE	NE		69.8	107	NA	73.9	NA	65.2	62.4	134
MERCURY	mg/kg	0.085	NE	NE		0.0459 J	0.0605	NA	0.0419	NA	0.0396	0.0596 J	0.0805
Aroclor 1262	µg/kg	NE	NE	NE		NA	0.6 U	0.6 U	0.6 U	0.6 UJ	0.6 U	NA	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-084-MLW	SIB-084-OHW	SIB-084-OHW	SIB-084-TOB	SIB-084-TOB	SIB-085-MLW	SIB-085-MLW	SIB-085-OHW
					Sample ID	SIB-084-MLW-1-2-10112022	SIB-084-OHW-0-1-10112022	SIB-084-OHW-1-2-10112022	SIB-084-TOB-0-1-10112022	SIB-084-TOB-1-2-10112022	SIB-085-MLW-0-1-10112022	SIB-085-MLW-1-2-10112022	SIB-085-OHW-0-1-10112022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	NA	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		NA	5.2 J	1.6 U	1.6 U	1.6 UJ	1.6 U	NA	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		NA	6.6	1.6 U	9.9	1.6 UJ	1.6 U	NA	7.8 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		NA	12 J	4	9.5	3.6 J	0.6 U	NA	62.6
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		NA	0.6 U	0.6 U	0.6 U	0.6 UJ	0.6 U	NA	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		NA	**27.6**	**9.4**	**24**	**9**	1.6 U	NA	**88.9**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		15 U	82 J	NA	47 J	NA	14 UJ	14 U	53 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	0.4 U	NA	0.38 U	NA	0.54 U	NA	0.39 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	0.32 U	NA	0.31 U	NA	0.44 U	NA	0.31 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	0.3 U	NA	0.29 U	NA	0.41 U	NA	0.29 U
ANTHRACENE	µg/kg	NE	NE	NE		NA	9.2	NA	1.6 J	NA	0.965 J	NA	5.1
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	26	NA	15	NA	0.34 U	NA	28
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	32	NA	28	NA	4.45 J	NA	52
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	34	NA	32	NA	1.39 J	NA	71
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	16	NA	22	NA	1.1 J	NA	40
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	11	NA	9.6	NA	0.59 J	NA	21
CHRYSENE	µg/kg	NE	NE	NE		NA	31	NA	21	NA	1.09 J	NA	45
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	2.8 J	NA	3 J	NA	0.34 U	NA	6.7
FLUORANTHENE	µg/kg	NE	NE	NE		NA	51	NA	26	NA	0.91 U	NA	62
FLUORENE	µg/kg	NE	NE	NE		NA	0.61 U	NA	0.58 U	NA	0.83 U	NA	0.59 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	19	NA	24	NA	1.1 J	NA	48
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	0.51 U	NA	0.48 U	NA	0.68 U	NA	0.49 U
PHENANTHRENE	µg/kg	NE	NE	NE		NA	0.63 U	NA	0.6 U	NA	0.86 U	NA	0.61 U
PYRENE	µg/kg	NE	NE	NE		NA	62	NA	31	NA	2.3 J	NA	55
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	295	NA	215	NA	15.7	NA	435
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	42.8 J	NA	38.2 J	NA	4.9	NA	73.7
SOLIDS, PERCENT	%	NE	NE	NE		61.5	92.4	NA	96.1	NA	63.7	63.3	92.8
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	2.51	NA	0.97	NA	0.59	NA	2.7

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-085-OHW	SIB-085-TOB	SIB-085-TOB	SIB-085-TOB	SIB-086-MLW	SIB-086-MLW	SIB-086-OHW	SIB-086-TOB
					Sample ID	SIB-085-OHW-1-2-10112022	SIB-085-TOB-0-1-10112022	SIB-085-TOB-1-2-10112022	SIB-085-TOB-2-3-10112022	SIB-086-MLW-0-1-10112022	SIB-086-MLW-1-2-10112022	SIB-086-OHW-0-1-10112022	SIB-086-TOB-0-1-10112022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	4.8	NA	NA	0.53 U	NA	9.7	14
2,4'-DDD	µg/kg	NE	NE	NE		NA	0.34 UJ	0.27 U	0.27 U	0.36 UJ	NA	0.35 UJ	0.27 U
P,P'-DDD	µg/kg	NE	NE	NE		NA	0.19 U	0.34 J	0.17 J	0.2 U	NA	0.19 U	0.15 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	0.34 U	0.48	0.31	0.36 U	NA	0.35 U	0.27 U
O,P'-DDE	µg/kg	NE	NE	NE		NA	0.42 U	0.33 U	0.34 U	0.45 U	NA	0.43 U	0.33 U
P,P'-DDE	µg/kg	NE	NE	NE		NA	2 J	2	1.5	0.4 UJ	NA	0.38 UJ	0.51
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	2.2	2.2	1.7	0.45 U	NA	0.43 U	0.68
O,P'-DDT	µg/kg	NE	NE	NE		NA	0.72 J	0.4 U	0.4 U	0.53 UJ	NA	0.51 UJ	0.4 U
P,P'-DDT	µg/kg	NE	NE	NE		NA	7.2 J	5.7	3.6	0.27 UJ	NA	0.26 UJ	2.2
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	7.9	5.9	3.8	0.53 U	NA	0.51 U	2.4
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	**10.4**	**8.5**	5.8	0.53 U	NA	0.51 U	3.3
ALDRIN	µg/kg	2	NE	NE		NA	0.42 UJ	0.33 U	0.34 U	0.45 U	NA	0.43 UJ	0.33 U
DIELDRIN	µg/kg	0.07	NE	NE		NA	0.41 U	0.33 U	0.33 U	0.44 U	NA	0.42 U	0.33 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	0.17 UJ	0.13 U	0.14 U	0.18 U	NA	0.17 UJ	0.13 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.33 U	0.26 U	0.27 U	0.35 U	NA	0.34 U	0.26 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.34 U	0.27 U	0.27 U	0.37 U	NA	0.35 U	0.27 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.52 U	0.41 U	0.41 U	0.55 U	NA	0.53 U	0.41 U
Oxychlordane	µg/kg	NE	NE	NE		NA	0.69 U	0.55 U	0.55 U	0.74 U	NA	0.71 U	0.55 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.31 UJ	0.25 U	0.25 U	0.33 UJ	NA	0.32 UJ	0.25 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	0.69 U	0.55 U	0.55 U	0.74 U	NA	0.71 U	0.55 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		43.5 J	83.4	42 J	12.2 J	10.7	59.5 J	105	59.1
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		215	772 J	273	32.5	45.7	350	592	308
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.07 J	3.7 J	1.94 J	0.556 J	0.532 J	2.87 J	5.74	2.64 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**4.78 J**	**13.3**	**4.6 J**	**1.38 J**	**1.11 J**	**7.24**	**16.9**	**7.8**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.94 J	5.14	3.28 J	0.692 J	0.604 J	4.19 J	4.8 J	4.01 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		7.24 J	5.57 J	13.4	5.22	0.456 J	3.03 J	5.28	3.06 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		9.2 J	21.3	9.3	1.7 J	1.79 J	14.7	18.9	12.7
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.63 J	3.98 J	1.52 J	0.374 U	0.286 U	2.11 J	4.26 J	1.48 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.99 J	10.3	4.93 J	1.06 J	1.24 J	8.05	8.61	7.35
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		8.92	5.95	25	7.94	0.202 U	2.36 J	3.17 J	7.26
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.79 J**	**3.14 J**	**2.64 J**	**0.738 J**	**0.608 J**	**3.2 J**	**2.6**	**2.85 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.75 J	6.06	3.35 J	0.89 J	0.578 J	3.76 J	5.73	3.84 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**3.33 J**	**7.1**	**4.91 J**	**1.47 J**	**0.649 J**	**4.54 J**	**6.65**	**4.12 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.98 J**	**3.6**	**2.18 J**	**1.17**	**0.424 J**	**1.81**	**2.65**	**3.07**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.32 U	**0.567 J**	**0.472 J**	0.48 U	0.32 U	**0.444 J**	0.461 U	**0.454 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		372	1560	519	62.9	92.8	755	1190	572 J
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		94.6 J	189 J	103 J	28.1 J	15.6 J	114 J	199 J	101 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		52 J	124 J	57.5 J	12.2 J	12.5 J	94.4 J	106 J	83.8 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		71.1	85.6	55.3	18.8	20.9	115	170	91
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1600	11500 J	3460	341	372	2660	4550 J	2120
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		50.6 J	83.5 J	99.2 J	31.6 J	7.57 J	39.6 J	65.5 J	66.8 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		12.2 J	22 J	15.8 J	6.05 J	1.45 J	16.5 J	17.5 J	20.6 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		11.2 J	32.3 J	24.8	9.61 J	1.18 J	13.8 J	17.7 J	26.6
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5.56 J	12.7 J	9.3 J	3.96	0.32 U	3.25 J	3.61 J	9.88 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
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					Location ID	SIB-085-OHW	SIB-085-TOB	SIB-085-TOB	SIB-085-TOB	SIB-086-MLW	SIB-086-MLW	SIB-086-OHW	SIB-086-TOB
					Sample ID	SIB-085-OHW-1-2-10112022	SIB-085-TOB-0-1-10112022	SIB-085-TOB-1-2-10112022	SIB-085-TOB-2-3-10112022	SIB-086-MLW-0-1-10112022	SIB-086-MLW-1-2-10112022	SIB-086-OHW-0-1-10112022	SIB-086-TOB-0-1-10112022
TOTAL HpCDFs	pg/g	NE	NE	NE		137 J	256 J	129 J	33.2 J	31.3 J	190 J	367 J	174 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		9.9 J	**25 J**	**13.8 J**	3.4 J	2.3 J	**14.5 J**	**20.1 J**	**13.4 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	16	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	4.41	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	15.1	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	5.37	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	4.92	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	144	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	29.7	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	13.8	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	12	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	14	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	16.4	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	15.7	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	15.2	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	13.9	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	14.9	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	2930	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	630	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	476	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	2070	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	1900	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	70.9	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	119	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	757	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	808	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	6740	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.54	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	10.9	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	1390	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.34	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	3730	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.58	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.74	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	131	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	777	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	92.9	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	8.89	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	327	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	166	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	6120	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	461	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	21.8	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	98.6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	1630	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
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					Location ID	SIB-085-OHW	SIB-085-TOB	SIB-085-TOB	SIB-085-TOB	SIB-086-MLW	SIB-086-MLW	SIB-086-OHW	SIB-086-TOB
					Sample ID	SIB-085-OHW-1-2-10112022	SIB-085-TOB-0-1-10112022	SIB-085-TOB-1-2-10112022	SIB-085-TOB-2-3-10112022	SIB-086-MLW-0-1-10112022	SIB-086-MLW-1-2-10112022	SIB-086-OHW-0-1-10112022	SIB-086-TOB-0-1-10112022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	73	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	109	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	30.6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	17.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	946	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	891	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	20.6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	22.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	85	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	6.79	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	2750	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.39	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	6150	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	32.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.95	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	259	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	318	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	12.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	318	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	12.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	12.2	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	13.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	14.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	352	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	14.7	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	15.5	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	420	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	45.9	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	89.2	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	1710	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	634	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	827	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	201	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	1670	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	129	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	300	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	1020	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.62	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	108	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	186	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	12.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	14.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	14.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	35.7	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	104	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-085-OHW	SIB-085-TOB	SIB-085-TOB	SIB-085-TOB	SIB-086-MLW	SIB-086-MLW	SIB-086-OHW	SIB-086-TOB
					Sample ID	SIB-085-OHW-1-2-10112022	SIB-085-TOB-0-1-10112022	SIB-085-TOB-1-2-10112022	SIB-085-TOB-2-3-10112022	SIB-086-MLW-0-1-10112022	SIB-086-MLW-1-2-10112022	SIB-086-OHW-0-1-10112022	SIB-086-TOB-0-1-10112022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	374	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	12.7	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	14.6	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	9.62	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	151	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	10.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	9.4	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	196	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.42	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	179	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	9.93	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.05	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	37.4	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	17.4	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	17.9	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	23.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	14.6	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	477	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.18	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	7.14	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.18	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	7.14	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	17.4	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	16	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	129	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.83	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	7.14	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	21.9	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	17.9	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	52800	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	46.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	10.1	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	12	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	17.3	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	24.8	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	14.1	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.52	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	2.54	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	14.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	11.3	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	2.83	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	43.9	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	1.97	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	9.87	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	7.38	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	7.87	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	7.65	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-085-OHW	SIB-085-TOB	SIB-085-TOB	SIB-085-TOB	SIB-086-MLW	SIB-086-MLW	SIB-086-OHW	SIB-086-TOB
					Sample ID	SIB-085-OHW-1-2-10112022	SIB-085-TOB-0-1-10112022	SIB-085-TOB-1-2-10112022	SIB-085-TOB-2-3-10112022	SIB-086-MLW-0-1-10112022	SIB-086-MLW-1-2-10112022	SIB-086-OHW-0-1-10112022	SIB-086-TOB-0-1-10112022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	8.44	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	7.83	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	19.8	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	7.65	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	6.79	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	6.41	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	10	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.38	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	8.14	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	8.71	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.59	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	8.71	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	6.82	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	7.43	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	4.62	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	5.09	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	5.31	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	5.98	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	6.63	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	3.58	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	6.63	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	3.58	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	4.37	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	3.09	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	3.56	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	4.01	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	3.52	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	4.21	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	4.03	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	5.19	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	3.52	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	5.92	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	5.7	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	5.92	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	5.92	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	5.84	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	186000 J	NA	53300 J	NA	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	2 U	NA	NA	2.3 U	NA	2 U	2 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	130	NA	NA	62 J	NA	280	230
ARSENIC	mg/kg	3	NE	NE		NA	**3.1**	2.84	2.89	2.92	NA	**3.92**	**3.01**
CADMIUM	mg/kg	0.51	NE	NE		NA	0.35	0.2	0.13	0.16	NA	0.34	0.47
COPPER	mg/kg	359	NE	NE		NA	36.5	29.5	28.5	25.2	NA	32.2	45.2
LEAD	mg/kg	196	NE	NE		NA	39.7	23.7	18.2	40.2	NA	34.7	37
ZINC	mg/kg	459	NE	NE		NA	128	80.8	73	93.6	NA	156	163
MERCURY	mg/kg	0.085	NE	NE		NA	**0.182**	**0.19 J**	**0.149 J**	0.0302	NA	**0.112**	**0.183**
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	2.9 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-085-OHW	SIB-085-TOB	SIB-085-TOB	SIB-085-TOB	SIB-086-MLW	SIB-086-MLW	SIB-086-OHW	SIB-086-TOB
					Sample ID	SIB-085-OHW-1-2-10112022	SIB-085-TOB-0-1-10112022	SIB-085-TOB-1-2-10112022	SIB-085-TOB-2-3-10112022	SIB-086-MLW-0-1-10112022	SIB-086-MLW-1-2-10112022	SIB-086-OHW-0-1-10112022	SIB-086-TOB-0-1-10112022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		7.9	39.7	14.2	8.8	2.9 J	10.2	7.8 U	28 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		32.1	137	80	62.7	4.7	17.4	42.7 J	79.9 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	2.9 U	2.9
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**44.6**	**199**	**98.8**	**76.1**	**12.2**	**32.2**	**69**	**130**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		NA	100 J	NA	NA	53 J	NA	97 J	**160 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	0.4 U	NA	NA	0.45 U	NA	0.4 U	0.4 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	0.33 U	NA	NA	0.37 U	NA	0.32 U	0.32 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	0.31 U	NA	NA	0.35 U	NA	0.3 U	0.3 U
ANTHRACENE	µg/kg	NE	NE	NE		NA	4.3 J	NA	NA	1.5 J	NA	6.9	4.4 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	51	NA	NA	5.6 J	NA	50	40
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	110	NA	NA	11	NA	85	76
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	99	NA	NA	25	NA	100	110
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	92	NA	NA	17	NA	45	57
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	31	NA	NA	6.5	NA	33	33
CHRYSENE	µg/kg	NE	NE	NE		NA	76	NA	NA	16	NA	77	73
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	16	NA	NA	2.4 J	NA	11	11
FLUORANTHENE	µg/kg	NE	NE	NE		NA	66	NA	NA	19	NA	100	92
FLUORENE	µg/kg	NE	NE	NE		NA	0.62 U	NA	NA	0.7 U	NA	0.61 U	0.61 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	62	NA	NA	17	NA	54	59
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	0.51 U	NA	NA	0.58 U	NA	0.5 U	0.5 U
PHENANTHRENE	µg/kg	NE	NE	NE		NA	0.64 U	NA	NA	0.72 U	NA	47	36
PYRENE	µg/kg	NE	NE	NE		NA	75	NA	NA	17	NA	100	84
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	684	NA	NA	140	NA	710	676
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	148	NA	NA	18.2 J	NA	117	108
SOLIDS, PERCENT	%	NE	NE	NE		NA	92.4	92.8	94.4	80.5	NA	92.1	92.6
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	2.6	NA	NA	0.7	NA	4.25	4.17

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-087-MLW	SIB-087-OHW	SIB-087-OHW	SIB-087-OHW	SIB-087-TOB	SIB-087-TOB	SIB-087-TOB
					Sample ID	SIB-087-MLW-0-1-10102022	SIB-087-MLW-1-2-10102022	SIB-087-OHW-0-1-10102022	SIB-087-OHW-1-2-10102022	SIB-087-OHW-2-3-10102022	SIB-087-TOB-0-1-10102022	SIB-087-TOB-1-2-10102022	SIB-087-TOB-2-3-10102022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		0.63 U	NA	1.8	NA	NA	6.3	NA	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.8	NA	0.31 U	NA	NA	0.31 U	NA	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.24 U	NA	0.17 U	NA	NA	0.17 J	NA	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.92	NA	0.31 U	NA	NA	0.33	NA	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.53 U	NA	0.39 U	NA	NA	0.38 U	NA	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.47 U	NA	0.34 U	NA	NA	0.34 U	NA	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.53 U	NA	0.39 U	NA	NA	0.38 U	NA	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.63 U	NA	0.46 U	NA	NA	0.45 U	NA	NA
P,P'-DDT	µg/kg	NE	NE	NE		0.32 U	NA	0.27 J	NA	NA	1	NA	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.63 U	NA	0.5	NA	NA	1.2	NA	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		1.9	NA	1.1	NA	NA	1.9	NA	NA
ALDRIN	µg/kg	2	NE	NE		0.53 U	NA	0.39 U	NA	NA	0.38 U	NA	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.51 U	NA	0.38 U	NA	NA	0.37 U	NA	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.21 UJ	NA	0.16 UJ	NA	NA	0.15 UJ	NA	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.42 U	NA	0.31 U	NA	NA	0.3 U	NA	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.43 U	NA	0.31 U	NA	NA	0.31 U	NA	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.65 U	NA	0.47 U	NA	NA	0.47 U	NA	NA
Oxychlordane	µg/kg	NE	NE	NE		0.87 U	NA	0.63 U	NA	NA	0.63 U	NA	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.39 U	NA	0.29 U	NA	NA	0.28 U	NA	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.87 U	NA	0.63 U	NA	NA	0.63 U	NA	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.1 J	0.635 J	27	5.76 J	1.57 J	33.7	51.2 J	57.6 J
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		8.69	4.06 J	119	24.3	5.6	103	133	194
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.437 U	0.175 U	1.75 J	0.456 J	0.179 U	2.3 J	2.19 J	3.06 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		0.247 U	0.138 J	**3.46 J**	**0.599 J**	0.19 U	**4.48 J**	**6.34**	**12.7**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.419 U	0.224 U	1.35 J	0.302 J	0.16 U	1.78 J	2.22 J	2.57 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.245 U	0.0867 U	1.46 J	0.422 J	0.326 J	2.73 J	6.45	5.41 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.419 J	0.248 J	5.25	1.01 J	0.294 J	4.97	6.07 J	8.68 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.411 U	0.129 U	0.951 J	0.24 U	0.242 U	1.1 J	1.38 J	1.84 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.399 U	0.384 J	2.29 J	0.703 J	0.149 U	3.56 J	4.11 J	5.19
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.293 U	0.128 U	0.745 J	0.765 J	0.466 J	3.11 J	21.7	17
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.385 U	**0.27 J**	**0.989 J**	**0.318 J**	0.161 U	**1.98 J**	**3.09 J**	**2.99 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.261 U	0.0879 J	1.69 J	0.256 J	0.176 U	3.35 J	4.87 J	5.86
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**0.453 J**	0.115 U	**1.61 J**	0.272 J	0.117 U	**5.2**	**7.43**	**7.63**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.373 U	0.19 J	**0.699 J**	0.212 U	0.214 U	**11.4**	**7.75**	**8.05 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.277 U	0.314 U	0.236 U	0.254 U	0.296 U	**0.568**	**0.833 J**	**0.79 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		20	9.75 J	211	41.7	9.94 J	202	266	344
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.98 J	1.02 J	49.5 J	8.56 J	2.41 J	60 J	78.9 J	110 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.99 J	3.21 J	26.7 J	6.79 J	1.59 J	40.1 J	56.6 J	62.7 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.67 J	0.909 J	58.9	17.6	4.34 J	62.6	98.3	94.5
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		56	34.6	786	186	40.8	747	1170	1660
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		2.14 J	0.23 J	19.7 J	3.98 J	2.07 J	98.1 J	133 J	116 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.385 U	1.37 J	4.27 J	0.827 J	0.2 J	12 J	29.3 J	31.6 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		1.49	1.88 J	2.12 J	0.593 J	0.232 J	95.8	120	118
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.958 J	2.31 J	0.509 J	0.346 J	0.37 J	4.73 J	12.5 J	15.6 J

Attachment C.1 (continued)
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					Location ID	SIB-087-MLW	SIB-087-MLW	SIB-087-OHW	SIB-087-OHW	SIB-087-OHW	SIB-087-TOB	SIB-087-TOB	SIB-087-TOB
					Sample ID	SIB-087-MLW-0-1-10102022	SIB-087-MLW-1-2-10102022	SIB-087-OHW-0-1-10102022	SIB-087-OHW-1-2-10102022	SIB-087-OHW-2-3-10102022	SIB-087-TOB-0-1-10102022	SIB-087-TOB-1-2-10102022	SIB-087-TOB-2-3-10102022
TOTAL HpCDFs	pg/g	NE	NE	NE		4.51 J	1.42 J	101 J	24.7 J	5.85 J	94.4 J	132 J	160 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		0.76 J	0.63 J	5.1 J	1.3 J	0.46 J	9.2 J	**13 J**	**14.7 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	16.1	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	4.55	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	15.7	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.37	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.8	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	13.8	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	25.8	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.8	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	12	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	14	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	16.4	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.9	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	15.2	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	13.9	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	14.9	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	23.4	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.89	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.08	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	21.1	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	20.9	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.55	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.47	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	17.8	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.01	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	74.5	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.2	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.28	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	22	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.1	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	108	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.31	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.45	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.17	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.96	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.02	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.13	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.37	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.62	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	71.8	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.01	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.81	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.52	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.63	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-087-MLW	SIB-087-MLW	SIB-087-OHW	SIB-087-OHW	SIB-087-OHW	SIB-087-TOB	SIB-087-TOB	SIB-087-TOB
					Sample ID	SIB-087-MLW-0-1-10102022	SIB-087-MLW-1-2-10102022	SIB-087-OHW-0-1-10102022	SIB-087-OHW-1-2-10102022	SIB-087-OHW-2-3-10102022	SIB-087-TOB-0-1-10102022	SIB-087-TOB-1-2-10102022	SIB-087-TOB-2-3-10102022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.49	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.97	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.37	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.21	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.17	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.6	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.38	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.94	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.94	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.73	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	16.4	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.76	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.63	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.95	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	71.6	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.02	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.48	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.84	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.36	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.43	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.36	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.43	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.1	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.94	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.06	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.71	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.27	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.37	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	25.5	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.78	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.09	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	21.5	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	9.99	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	10.2	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.05	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	61.3	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.94	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	16.1	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	31.4	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.08	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.59	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	4.36	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	6.24	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	7.24	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.39	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.22	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.29	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-087-MLW	SIB-087-MLW	SIB-087-OHW	SIB-087-OHW	SIB-087-OHW	SIB-087-TOB	SIB-087-TOB	SIB-087-TOB
					Sample ID	SIB-087-MLW-0-1-10102022	SIB-087-MLW-1-2-10102022	SIB-087-OHW-0-1-10102022	SIB-087-OHW-1-2-10102022	SIB-087-OHW-2-3-10102022	SIB-087-TOB-0-1-10102022	SIB-087-TOB-1-2-10102022	SIB-087-TOB-2-3-10102022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.74	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.45	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.39	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.88	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.83	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.2	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.78	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.91	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.58	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.47	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.04	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.18	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.12	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.87	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.98	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.16	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.23	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.91	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.65	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.63	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.65	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.63	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.01	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.65	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.03	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.98	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.63	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.85	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.98	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	717	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	3.16	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.73	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.63	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	8.13	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.9	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.63	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.72	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.74	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.41	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.34	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.58	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.83	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	1.87	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.51	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.16	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.37	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.28	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-087-MLW	SIB-087-MLW	SIB-087-OHW	SIB-087-OHW	SIB-087-OHW	SIB-087-TOB	SIB-087-TOB	SIB-087-TOB
					Sample ID	SIB-087-MLW-0-1-10102022	SIB-087-MLW-1-2-10102022	SIB-087-OHW-0-1-10102022	SIB-087-OHW-1-2-10102022	SIB-087-OHW-2-3-10102022	SIB-087-TOB-0-1-10102022	SIB-087-TOB-1-2-10102022	SIB-087-TOB-2-3-10102022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.98	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.37	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.42	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.28	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.91	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.76	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.85	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.17	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.84	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.85	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.26	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.73	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	2.93	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.33	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.81	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.3	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.5	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	5.98	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.05	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.72	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.44	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.21	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.7	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.17	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.65	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.38	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	4.19	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.54	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	3.66	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.68	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.44	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.84	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.7	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	6.61	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		2180 J	NA	NA	NA	1090 J	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.7 U	NA	1.9 U	NA	NA	2 U	NA	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		44 J	NA	31 J	NA	NA	150	NA	NA
ARSENIC	mg/kg	3	NE	NE		**11.7**	**5.53**	2.27 J	NA	NA	2.71 J	**3.43**	**4.91**
CADMIUM	mg/kg	0.51	NE	NE		0.06 J	0.15 J	0.09 J	NA	NA	0.29	0.39	0.32
COPPER	mg/kg	359	NE	NE		16.2	32.8	18.6	NA	NA	40.6	52.2	91.3
LEAD	mg/kg	196	NE	NE		10.6	6.7	12.9	NA	NA	33.7	39.8	104
ZINC	mg/kg	459	NE	NE		76.5	72.1	68.1 J	NA	NA	136 J	146	161
MERCURY	mg/kg	0.085	NE	NE		0.019 J	0.0327 J	0.0637 J	NA	NA	**0.118 J**	0.0409 J	**0.144 J**
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	NA	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	118 J
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-087-MLW	SIB-087-MLW	SIB-087-OHW	SIB-087-OHW	SIB-087-OHW	SIB-087-TOB	SIB-087-TOB	SIB-087-TOB
				Sample ID	SIB-087-MLW-0-1-10102022	SIB-087-MLW-1-2-10102022	SIB-087-OHW-0-1-10102022	SIB-087-OHW-1-2-10102022	SIB-087-OHW-2-3-10102022	SIB-087-TOB-0-1-10102022	SIB-087-TOB-1-2-10102022	SIB-087-TOB-2-3-10102022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	1.6 U	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	1.6 U	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	1.6 U	NA	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	1.6 U	NA	1.6 U	1.6 U	1.6 U	20.8 J	11.8	7.7 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	1.6 U	NA	1.6 U	1.6 U	1.6 U	62 J	54.3	38.4 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	0.6 U	NA	6.8	2.1 J	1.4 J	66.9 J	77.7	0.6 U
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	0.6 U	NA	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	1.6 U	NA	**12.2**	7.5	6.8	**168**	**148**	**168**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	**5700**	14 U	23 J	NA	NA	56 J	NA	NA
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.52 U	NA	0.37 U	NA	NA	0.38 U	NA	NA
ACENAPHTHENE	µg/kg	NE	NE	NE	0.68 J	NA	0.95 J	NA	NA	2 J	NA	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE	0.39 UJ	NA	0.28 UJ	NA	NA	0.29 UJ	NA	NA
ANTHRACENE	µg/kg	NE	NE	NE	0.71 J	NA	1.3 J	NA	NA	3.5 J	NA	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	0.32 UJ	NA	7.7 J	NA	NA	22 J	NA	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE	4.8 J	NA	15	NA	NA	41	NA	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	3.8 J	NA	18	NA	NA	52	NA	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	2.1 J	NA	8.8	NA	NA	31	NA	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	1.2 J	NA	6.3	NA	NA	19	NA	NA
CHRYSENE	µg/kg	NE	NE	NE	3.1 J	NA	13	NA	NA	40	NA	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	0.32 U	NA	1.3 J	NA	NA	4.4 J	NA	NA
FLUORANTHENE	µg/kg	NE	NE	NE	9.5	NA	20	NA	NA	71	NA	NA
FLUORENE	µg/kg	NE	NE	NE	0.8 U	NA	0.57 U	NA	NA	0.59 U	NA	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	1.7 J	NA	9.5	NA	NA	32	NA	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.66 UJ	NA	0.47 UJ	NA	NA	0.49 UJ	NA	NA
PHENANTHRENE	µg/kg	NE	NE	NE	0.82 U	NA	0.59 U	NA	NA	0.61 U	NA	NA
PYRENE	µg/kg	NE	NE	NE	8.2	NA	20	NA	NA	63	NA	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	37.7	NA	123	NA	NA	382	NA	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	5.5 J	NA	19.9 J	NA	NA	56.2 J	NA	NA
SOLIDS, PERCENT	%	NE	NE	NE	68.7	63.3	96.3	NA	NA	94.4	NA	NA
TOTAL ORGANIC CARBON	%	NE	NE	NE	0.36	NA	1.33	NA	NA	2.36	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-088-MLW	SIB-088-OHW	SIB-088-OHW	SIB-088-TOB	SIB-089-MLW	SIB-089-MLW	SIB-089-OHW
					Sample ID	SIB-088-MLW-0-1-10102022	SIB-088-MLW-1-2-10102022	SIB-088-OHW-0-1-10102022	SIB-088-OHW-1-2-10102022	SIB-088-TOB-0-1-10102022	SIB-089-MLW-0-1-10102022	SIB-089-MLW-1-2-10102022	SIB-089-OHW-0-1-10102022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		0.73 U	0.81 U	3.9	NA	4	2.9	NA	0.49 U
2,4'-DDD	µg/kg	NE	NE	NE		0.45 U	0.59 U	0.29 U	NA	0.34 J	0.38 J	NA	0.36 U
P,P'-DDD	µg/kg	NE	NE	NE		0.25 U	0.33 U	0.24 J	NA	1.2	0.58	NA	1.2
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.45 U	0.59 U	0.39	NA	1.5	0.96	NA	1.4
O,P'-DDE	µg/kg	NE	NE	NE		0.56 U	0.74 U	0.36 U	NA	0.37 U	0.4 U	NA	0.44 U
P,P'-DDE	µg/kg	NE	NE	NE		0.5 U	0.65 U	0.32 U	NA	0.32 U	0.35 U	NA	2
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.56 U	0.74 U	0.36 U	NA	0.37 U	0.4 U	NA	2.2
O,P'-DDT	µg/kg	NE	NE	NE		0.67 U	0.88 U	0.42 U	NA	0.43 U	0.47 U	NA	1.9
P,P'-DDT	µg/kg	NE	NE	NE		0.34 U	0.44 U	1.2	NA	1.3	0.24 U	NA	15
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.67 U	0.88 U	1.4	NA	1.5	0.47 U	NA	16.9
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.67 U	0.88 U	2.1	NA	3.4	1.7	NA	**20.5**
ALDRIN	µg/kg	2	NE	NE		0.56 U	0.74 U	0.36 U	NA	0.37 U	0.4 U	NA	0.44 U
DIELDRIN	µg/kg	0.07	NE	NE		0.55 U	0.72 U	0.35 U	NA	0.36 U	0.39 U	NA	**0.7 J**
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.22 UJ	0.29 UJ	0.14 U	NA	0.15 UJ	0.16 UJ	NA	0.18 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.44 U	0.58 U	0.28 U	NA	0.81 J	0.31 U	NA	2.6
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.46 U	0.6 U	0.31 J	NA	0.95	0.32 U	NA	3.5
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.69 U	0.9 U	0.44 U	NA	0.45 U	0.49 U	NA	1.5
Oxychlordane	µg/kg	NE	NE	NE		0.92 U	1.3 U	0.58 U	NA	0.6 U	0.65 U	NA	0.73 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.41 U	0.54 U	0.61 J	NA	0.71 J	0.29 U	NA	3.2
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.92 U	1.3 U	**1.6**	NA	**3**	0.65 U	NA	**11.2**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.225 UJ	0.955 J	83.5	37.9 J	34.6	22.3	6.3 J	307
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5.15 J	2.48 J	311	115	102	77.3	7.78	687
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.388 U	0.557 J	5.5	2.33 J	1.31 J	1.21 J	0.3 U	45.5
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		0.233 J	**0.629 J**	**10.5**	**5.93**	**2.85 J**	**2.51 J**	**0.408 J**	**37.5**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.335 U	0.403 UJ	3.3 J	1.19 J	1.25 J	0.823 J	0.23 U	5.1
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.197 U	0.3 UJ	3.42 J	1.69 J	1.43 J	1.29 J	0.61 J	10.2
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.364 J	0.407 UJ	10.9	4.14 J	3.64 J	3.63 J	0.576 J	31.2
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.34 U	0.391 UJ	1.81 J	0.872 J	0.908 U	1.05 J	0.25 U	10.6
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.605 J	0.395 UJ	6.61 J	2.11 J	2.66 J	1.45 J	0.394 J	11.5
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.231 U	0.449 UJ	3.86 J	2.41 J	0.996 J	0.719 J	0.206 U	7.37
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.271 U	0.547 UJ	**2.13 J**	**1.42 J**	**1.36 J**	**0.361 J**	**0.318 J**	**3.96 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.213 U	0.298 UJ	4.39 J	2.07 J	2.38 J	1.53 J	0.636 J	14
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.219 U	0.373 UJ	**4.94 J**	**2.01 J**	**2.33 J**	**1.86 J**	**0.93 J**	**8.66**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**0.447 J**	0.793 UJ	**12.3**	**3.5 J**	**3.72 J**	**0.568 J**	0.466 U	**4.23**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.211 U	0.785 UJ	**0.76**	**0.596**	**0.926 J**	0.261 U	0.352 U	**2.41**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		7.91 J	6.07 J	620	210	194	137	19.2 J	1120
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.957 J	0.629 J	111 J	55.9 J	35 J	41.6 J	8.91 J	444 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.605 J	2.3 J	86 J	29.9 J	29.5 J	17.3 J	5.13 J	153 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.58 J	3.3 J	204	99.8	82.6	32.3	6.15 J	679
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		25.2 J	18.9 J	2210	903	764 J	601	93.1	4010 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		0.45 J	1.54 J	61.7 J	23.7 J	32.8 J	18.6 J	11.4 J	104 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.271 U	0.547 U	21.3 J	11 J	9.42 J	2.22 J	2.4 J	30.6 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		0.767 J	0.793 U	52.4	16 J	24.8 J	5.8 J	8.37 J	58.7
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.404 J	0.785 U	7.79 J	7.66 J	4.64 J	0.482 J	0.54 J	16.1

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-088-MLW	SIB-088-MLW	SIB-088-OHW	SIB-088-OHW	SIB-088-TOB	SIB-089-MLW	SIB-089-MLW	SIB-089-OHW
					Sample ID	SIB-088-MLW-0-1-10102022	SIB-088-MLW-1-2-10102022	SIB-088-OHW-0-1-10102022	SIB-088-OHW-1-2-10102022	SIB-088-TOB-0-1-10102022	SIB-089-MLW-0-1-10102022	SIB-089-MLW-1-2-10102022	SIB-089-OHW-0-1-10102022
TOTAL HpCDFs	pg/g	NE	NE	NE		1.75 J	2.54 J	273 J	136 J	91.8 J	63.8 J	12.4	1250 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		0.55	0.99 J	**14.5 J**	6.7 J	6.5 J	3.6 J	1.3 J	**33.4 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	22.9	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	6.01	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	21.7	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	7.48	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	6.97	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	218	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	40.7	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	19.6	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	17.1	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	20	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	23.4	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	22.4	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	21.7	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	19.8	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	21.2	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	617	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	164	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	101	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	559	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	356	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	19	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	53.4	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	152	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	218	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	1260	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.27	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	12.2	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	323	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.16	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	763	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.37	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.47	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	27.6	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	147	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	20.7	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	9.92	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	335	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	139	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	2510	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	549	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	23	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	30.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	557	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-088-MLW	SIB-088-MLW	SIB-088-OHW	SIB-088-OHW	SIB-088-TOB	SIB-089-MLW	SIB-089-MLW	SIB-089-OHW
					Sample ID	SIB-088-MLW-0-1-10102022	SIB-088-MLW-1-2-10102022	SIB-088-OHW-0-1-10102022	SIB-088-OHW-1-2-10102022	SIB-088-TOB-0-1-10102022	SIB-089-MLW-0-1-10102022	SIB-089-MLW-1-2-10102022	SIB-089-OHW-0-1-10102022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	89.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	180	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	82.8	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	30.5	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	342	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	282	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	15	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	16.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	75.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	6.47	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	1350	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.74	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.52	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	5.06	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	1710	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	14.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.35	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	256	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	174	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	19.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	174	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	19.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.18	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	10	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	10.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	152	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	10.7	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	8.87	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	312	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	26.4	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	113	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	334	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	137	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	150	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	53.6	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	481	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	38.1	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	100	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	282	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	5.87	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	21.6	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	98.9	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	148	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	61.1	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	299	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	194	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	774	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-088-MLW	SIB-088-MLW	SIB-088-OHW	SIB-088-OHW	SIB-088-TOB	SIB-089-MLW	SIB-089-MLW	SIB-089-OHW
					Sample ID	SIB-088-MLW-0-1-10102022	SIB-088-MLW-1-2-10102022	SIB-088-OHW-0-1-10102022	SIB-088-OHW-1-2-10102022	SIB-088-TOB-0-1-10102022	SIB-089-MLW-0-1-10102022	SIB-089-MLW-1-2-10102022	SIB-089-OHW-0-1-10102022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	1120	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	10.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	153	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	19.1	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	252	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	8.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	7.64	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	1090	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	7.46	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	435	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	8.06	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.66	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	399	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	53.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	13.1	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	18.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	54.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	1420	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	5.85	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	5.81	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	5.85	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	5.81	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	21.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	25.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	988	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	6.37	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	5.81	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	16	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	13.1	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	28200	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	764	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	170	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	95.3	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	51.3	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	457	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	21.9	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	30.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	84.8	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	221	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	76.9	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	50.4	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	814	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.17	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	176	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	14.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	15.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	15.1	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-088-MLW	SIB-088-MLW	SIB-088-OHW	SIB-088-OHW	SIB-088-TOB	SIB-089-MLW	SIB-089-MLW	SIB-089-OHW
					Sample ID	SIB-088-MLW-0-1-10102022	SIB-088-MLW-1-2-10102022	SIB-088-OHW-0-1-10102022	SIB-088-OHW-1-2-10102022	SIB-088-TOB-0-1-10102022	SIB-089-MLW-0-1-10102022	SIB-089-MLW-1-2-10102022	SIB-089-OHW-0-1-10102022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	29.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	89.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	274	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	15.1	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	13.4	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	12.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	175	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	14.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	10.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	30.1	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	15	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	17.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	13.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	15.2	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	76.6	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	72.7	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	207	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	40.7	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	106	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	60.3	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	96.5	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	12.8	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	6.29	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	7.07	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	39.4	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	7.42	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	15.5	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	142	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	53.2	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	11	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	10.6	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	38.2	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	11	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	10.8	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		1480 J	NA	NA	28500 J	NA	8070 J	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		3.1 U	3.4 U	2 U	NA	19 U	2.2 U	NA	2.1 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		16 J	7.4 U	290	NA	540 J	83 J	NA	470
ARSENIC	mg/kg	3	NE	NE		2.94 J	2.48	**3.37**	**3.23**	2.38	**6.02**	**7.53**	**3.59**
CADMIUM	mg/kg	0.51	NE	NE		0.095 J	0.05 U	**0.52**	0.19	**0.53**	0.08 J	0.13 J	0.48
COPPER	mg/kg	359	NE	NE		31.4	30.1	60.6	30	52.1	20.5	24.5	61.2
LEAD	mg/kg	196	NE	NE		6.505	5.69	47.2	27.1	32.3	11.6	11.4	59.6
ZINC	mg/kg	459	NE	NE		61.25 J	59.5	209	92.5	136	71	77.4	153
MERCURY	mg/kg	0.085	NE	NE		0.03285 J	0.0359 J	**0.113**	0.0545 J	**0.446**	0.0705	0.0439 J	**0.213**
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	NA	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	NA	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-088-MLW	SIB-088-MLW	SIB-088-OHW	SIB-088-OHW	SIB-088-TOB	SIB-089-MLW	SIB-089-MLW	SIB-089-OHW
					Sample ID	SIB-088-MLW-0-1-10102022	SIB-088-MLW-1-2-10102022	SIB-088-OHW-0-1-10102022	SIB-088-OHW-1-2-10102022	SIB-088-TOB-0-1-10102022	SIB-089-MLW-0-1-10102022	SIB-089-MLW-1-2-10102022	SIB-089-OHW-0-1-10102022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	NA	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	NA	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	NA	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		1.6 U	NA	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		1.6 U	NA	16.5 J	5.5	133	1.6 U	2.2 J	106 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		0.6 U	NA	34.1 J	15	92.9	6.2	2 J	72.1 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	NA	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		1.6 U	NA	**73**	**25.1**	**248**	**11.6**	8.8	**201**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		17 J	17 U	200 U	NA	**200**	49 J	NA	**150**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.61 U	0.7 U	0.4 UJ	NA	7.7 U	0.44 U	NA	0.41 U
ACENAPHTHENE	µg/kg	NE	NE	NE		0.8 J	1.7 J	3.9 J	NA	6.3 U	3.4 J	NA	2.5 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.47 U	0.53 UJ	0.31 U	NA	5.9 U	5.8 J	NA	0.31 UJ
ANTHRACENE	µg/kg	NE	NE	NE		0.86 J	0.55 U	6.1	NA	6.1 U	9.7 J	NA	4.3 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		0.38 UJ	0.44 UJ	30	NA	4.8 UJ	48 J	NA	31 J
BENZO(A)PYRENE	µg/kg	NE	NE	NE		0.63 U	0.72 U	39	NA	71 J	58	NA	51
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		0.93 J	0.72 U	70	NA	41 J	49	NA	68
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		0.805 J	1.3 J	45 J	NA	69 J	35	NA	39
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		0.4 U	0.46 U	28	NA	5 U	18	NA	24
CHRYSENE	µg/kg	NE	NE	NE		0.715 J	0.59 U	68	NA	20 J	58	NA	39
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		0.38 U	0.44 U	7	NA	9.6 J	4.9 J	NA	5.7
FLUORANTHENE	µg/kg	NE	NE	NE		2.7 J	6.4 J	140 J	NA	36 J	95	NA	66
FLUORENE	µg/kg	NE	NE	NE		0.94 U	1.1 U	0.62 UJ	NA	12 U	0.67 U	NA	0.63 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		0.6 U	0.68 U	37	NA	32 J	33	NA	43
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.78 UJ	0.89 UJ	0.51 UJ	NA	9.8 U	0.56 UJ	NA	0.52 UJ
PHENANTHRENE	µg/kg	NE	NE	NE		0.98 U	1.2 U	82	NA	13 U	37	NA	0.65 U
PYRENE	µg/kg	NE	NE	NE		2.7 J	23	100	NA	35 J	110	NA	72
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		12.6	36.9	657	NA	349	566	NA	447
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		0.65	0.72 U	60	NA	88.2 J	76.1 J	NA	71.2 J
SOLIDS, PERCENT	%	NE	NE	NE		57.85	53	88.9	NA	95.8	85.1	NA	88.4
TOTAL ORGANIC CARBON	%	NE	NE	NE		0.65	0.62	5.9	NA	3.23	0.2	NA	3.29

Attachment C.1 (continued)
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					Location ID	SIB-089-OHW	SIB-089-TOB	SIB-090-MLW	SIB-090-MLW	SIB-090-OHW	SIB-090-OHW	SIB-090-TOB	SIB-090-TOB
					Sample ID	SIB-089-OHW-1-2-10102022	SIB-089-TOB-0-1-10102022	SIB-090-MLW-0-1-10102022	SIB-090-MLW-1-2-10102022	SIB-090-OHW-0-1-10102022	SIB-090-OHW-1-2-10102022	SIB-090-TOB-0-1-10102022	SIB-090-TOB-1-2-10102022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	1.5	0.6 U	NA	32	NA	9.1	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.28 U	0.35 U	0.46 J	NA	0.35 U	NA	0.28 U	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.74	0.2 U	1.4	NA	0.78	NA	0.58	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.88	0.35 U	1.9	NA	0.96	NA	0.72	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.35 U	0.44 U	0.51 U	NA	0.44 U	NA	0.35 U	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.94	0.39 U	0.45 U	NA	0.39 U	NA	0.58	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		1.1	0.44 U	0.51 U	NA	0.44 U	NA	0.76	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.74	0.52 U	0.6 U	NA	0.52 U	NA	0.42 U	NA
P,P'-DDT	µg/kg	NE	NE	NE		8.5	0.4 J	0.3 U	NA	0.87	NA	3.6	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		9.2	0.66	0.6 U	NA	1.1	NA	3.8	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**11.2**	1.4	2.8	NA	2.5	NA	5.3	NA
ALDRIN	µg/kg	2	NE	NE		0.35 U	0.44 U	0.51 U	NA	0.44 U	NA	0.35 U	NA
DIELDRIN	µg/kg	0.07	NE	NE		**0.63 J**	0.43 U	0.49 U	NA	0.43 U	NA	0.34 U	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.14 U	0.18 UJ	0.2 UJ	NA	0.18 UJ	NA	0.14 UJ	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		3.9	0.35 U	0.4 U	NA	2.1	NA	0.38 J	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		5.3	0.36 U	0.41 U	NA	3.1	NA	0.46 J	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		1.6	0.54 U	0.62 U	NA	0.85	NA	0.43 U	NA
Oxychlordane	µg/kg	NE	NE	NE		0.58 U	0.72 U	0.83 U	NA	0.72 U	NA	0.57 U	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		4.7	0.32 U	0.37 U	NA	2.1	NA	0.56 J	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**15.8**	0.72 U	0.83 U	NA	**8.5**	NA	**1.9**	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		128 J	49.1	15.6	7.69 J	367	141	52.8	33
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		390	188	19.4	11.9	1010	412	174	139
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		12.5	2.73 J	0.49 J	0.308 U	43.1	9.01	3 J	1.63 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**12.7**	**2.09 J**	**0.547 J**	**0.4 J**	**83.8**	**10.4**	**5.38**	**3.44 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.89 J	2.47 J	0.354 U	0.276 U	11.9	4.32 J	2.43 J	1.19 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.71	1.45 J	0.981 J	0.53 J	17.7	4.99	2.95 J	1.77 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		17.5 J	5.7	1.04 J	0.504 J	47.6	15	8.22 J	3.53 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.74 J	0.992 U	0.258 U	0.296 U	14.6	2.65 J	1.12 J	0.615 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		8.65	4.85 J	0.686 J	0.358 J	20.5	8.22 J	4.94 J	2.5 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.64 J	0.787 J	0.218 U	0.27 J	7.1	4.11 J	7.7	3.88 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**4.4 J**	**1.34 J**	0.301 U	0.288 U	**8.25 J**	**3.44 J**	**2.11 J**	**0.962 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.97	1.95 J	0.816 J	0.506 J	25.7	6.2	3.71 J	2.63 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**5.46**	**1.75 J**	**0.775 J**	**0.879 J**	**18.2**	**5.92**	**3.67 J**	**3.1 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**4.39 J**	**1.56**	0.519 U	0.362 U	**8.14**	**4.4**	**2.92 J**	**2.25**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**2.01**	**0.529**	0.23 U	0.348 U	**2.2**	**1.1 J**	**0.807**	**0.353 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		680	362	44.6	31.3	1860	750	334	306
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		184 J	44 J	15.4 J	9.74 J	638 J	188 J	67.5 J	44.9 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		113 J	54.2 J	8.56 J	6.39 J	274 J	103 J	64.6 J	41.7 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		343	186	15.2	8.89 J	649	372	102	66.1
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2620	1550	221	194	8590 J	3300	1210	904
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		68.9 J	38.9 J	10.3 J	9.26 J	169 J	65.1 J	59.5 J	37.5 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		35.2 J	13.1 J	0.958 J	1.35 J	59.5 J	22.8 J	17 J	12.1 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		54.5 J	22.9 J	3.07 J	4.45 J	89.3	37.6	38.3	31.1 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		15.4 J	2.43 J	1.25 J	1.42 J	51.8 J	10.2 J	11.5 J	6.76 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-089-OHW	SIB-089-TOB	SIB-090-MLW	SIB-090-MLW	SIB-090-OHW	SIB-090-OHW	SIB-090-TOB	SIB-090-TOB
					Sample ID	SIB-089-OHW-1-2-10102022	SIB-089-TOB-0-1-10102022	SIB-090-MLW-0-1-10102022	SIB-090-MLW-1-2-10102022	SIB-090-OHW-0-1-10102022	SIB-090-OHW-1-2-10102022	SIB-090-TOB-0-1-10102022	SIB-090-TOB-1-2-10102022
TOTAL HpCDFs	pg/g	NE	NE	NE		491 J	158 J	33.4 J	16.9	1250 J	513	136 J	95.1 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**20.7 J**	7.4 J	1.4 J	1.1 J	**56.1 J**	**18.8 J**	**10.1 J**	6.2 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	29.6	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.8	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	28.8	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.7	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	14	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	753	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	41.1	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	25.4	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	22.1	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	25.9	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	30.2	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	24.7	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	28	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	25.6	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	27.4	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	2860	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	865	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	508	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	2860	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1700	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	133	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	357	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	613	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1120	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6120	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.5	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.2	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1940	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	12.3	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	3260	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.2	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.1	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	114	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	583	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	110	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	16.1	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1950	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	710	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10500	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	3410	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	147	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	138	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	2890	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-089-OHW	SIB-089-TOB	SIB-090-MLW	SIB-090-MLW	SIB-090-OHW	SIB-090-OHW	SIB-090-TOB	SIB-090-TOB
					Sample ID	SIB-089-OHW-1-2-10102022	SIB-089-TOB-0-1-10102022	SIB-090-MLW-0-1-10102022	SIB-090-MLW-1-2-10102022	SIB-090-OHW-0-1-10102022	SIB-090-OHW-1-2-10102022	SIB-090-TOB-0-1-10102022	SIB-090-TOB-1-2-10102022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	578	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1080	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	562	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	174	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1610	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1230	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	50	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	53.9	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	458	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.2	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7170	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.4	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.9	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	12.2	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6580	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	78	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.44	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1070	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	986	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	95.8	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	986	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	95.8	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	37.8	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	33.5	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	34.4	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	758	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	35.8	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	26.4	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1520	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	180	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	503	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1590	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	834	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	594	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	298	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	2170	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	235	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	465	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1260	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.78	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	73.9	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	506	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	531	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	186	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1230	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	407	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1410	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-089-OHW	SIB-089-TOB	SIB-090-MLW	SIB-090-MLW	SIB-090-OHW	SIB-090-OHW	SIB-090-TOB	SIB-090-TOB
					Sample ID	SIB-089-OHW-1-2-10102022	SIB-089-TOB-0-1-10102022	SIB-090-MLW-0-1-10102022	SIB-090-MLW-1-2-10102022	SIB-090-OHW-0-1-10102022	SIB-090-OHW-1-2-10102022	SIB-090-TOB-0-1-10102022	SIB-090-TOB-1-2-10102022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1790	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	59.3	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	608	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	97.7	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	442	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	33.1	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	30.4	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4140	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	26.2	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	860	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	32.1	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.55	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	779	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	110	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	34.8	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	85.8	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	149	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6240	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.2	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.1	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.2	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.1	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	34.5	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	78.4	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	1590	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	25.3	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.1	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	40.8	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	34.8	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	99400	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	523	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	35.5	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	27.5	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	39.6	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	197	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	32.4	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	22.6	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	25.8	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	98.1	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	26	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	30.6	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	553	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.91	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	65.8	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	20.9	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	22.2	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	21.6	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-089-OHW	SIB-089-TOB	SIB-090-MLW	SIB-090-MLW	SIB-090-OHW	SIB-090-OHW	SIB-090-TOB	SIB-090-TOB
					Sample ID	SIB-089-OHW-1-2-10102022	SIB-089-TOB-0-1-10102022	SIB-090-MLW-0-1-10102022	SIB-090-MLW-1-2-10102022	SIB-090-OHW-0-1-10102022	SIB-090-OHW-1-2-10102022	SIB-090-TOB-0-1-10102022	SIB-090-TOB-1-2-10102022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	19.4	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	28.6	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	149	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	21.7	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	19.2	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.1	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	66.4	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	20.9	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.7	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	51	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	21.5	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	24.7	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	19.3	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.8	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	14.3	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	19.4	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	43.5	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.01	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	48.4	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.4	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.4	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	26.9	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.38	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.2	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	8.98	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.33	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.02	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	44	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	12.7	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.1	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	16.5	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.7	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.1	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	16.9	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	NA	190000 J	100000 J	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	2.1 U	2.6 U	NA	**630**	**140**	20 U	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	390	47 J	NA	3100	850	510 J	NA
ARSENIC	mg/kg	3	NE	NE		**3.72**	**5.16**	**7.4**	**3.39**	**3.32**	2.63	**3.62**	**3.25**
CADMIUM	mg/kg	0.51	NE	NE		**0.58**	**0.63**	0.11 J	0.18	**1.97**	**1.21**	**0.81**	0.29
COPPER	mg/kg	359	NE	NE		62.7	40.2	26.1	31.4	191	44.5	52.5	27.6
LEAD	mg/kg	196	NE	NE		64.5	19.4	13.7	6.21	128	78.2	64.7	49.2
ZINC	mg/kg	459	NE	NE		154	167	81.3	72.2	**466**	299	266	122
MERCURY	mg/kg	0.085	NE	NE		**0.136 J**	0.0747	0.0721	0.0451 J	**0.39**	**0.413 J**	**0.159**	**0.124 J**
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	2.9 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.5 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-089-OHW	SIB-089-TOB	SIB-090-MLW	SIB-090-MLW	SIB-090-OHW	SIB-090-OHW	SIB-090-TOB	SIB-090-TOB
					Sample ID	SIB-089-OHW-1-2-10102022	SIB-089-TOB-0-1-10102022	SIB-090-MLW-0-1-10102022	SIB-090-MLW-1-2-10102022	SIB-090-OHW-0-1-10102022	SIB-090-OHW-1-2-10102022	SIB-090-TOB-0-1-10102022	SIB-090-TOB-1-2-10102022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.5 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.5 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	7.8 U	1.5 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		30.7	1.6 U	1.6 U	1.6 U	7.8 U	37.9	7.8 U	3.7 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		64.5	1.6 U	1.6 U	1.6 U	50.4 J	64.2	41.3 J	11.7
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		59.7	18.3	6.7	2.3 J	113 J	58.1	85.7 J	33.7
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	2.9 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**159**	**23.7**	**12.1**	7.7	**186**	**164**	**149**	**52.7**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		**180**	47 J	15 J	NA	**630**	**350**	**820 J**	110
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	0.41 U	0.52 U	NA	4.3 U	NA	3.8 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	1.1 J	3.8 J	NA	7 J	NA	6.9 J	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	0.31 UJ	7 J	NA	3.3 UJ	NA	2.9 UJ	NA
ANTHRACENE	µg/kg	NE	NE	NE		NA	1.6 J	6.9 J	NA	10 J	NA	130 J	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	8.2 J	16 J	NA	58 J	NA	230 J	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	0.42 U	27	NA	110	NA	180	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	18	30	NA	150	NA	160	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	13	21	NA	120	NA	65	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	5.6	10	NA	44 J	NA	74	NA
CHRYSENE	µg/kg	NE	NE	NE		NA	16	26	NA	69	NA	230	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	1.7 J	2.4 J	NA	16 J	NA	14 J	NA
FLUORANTHENE	µg/kg	NE	NE	NE		NA	24	49	NA	160	NA	630	NA
FLUORENE	µg/kg	NE	NE	NE		NA	0.63 U	0.8 U	NA	6.7 U	NA	5.9 U	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	10	19	NA	89	NA	73	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	0.52 UJ	0.66 UJ	NA	5.5 UJ	NA	4.9 UJ	NA
PHENANTHRENE	µg/kg	NE	NE	NE		NA	0.66 U	0.82 U	NA	6.9 U	NA	390	NA
PYRENE	µg/kg	NE	NE	NE		NA	24	82	NA	140	NA	530	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	125	302	NA	986	NA	2720	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	5.6 J	36 J	NA	156 J	NA	241 J	NA
SOLIDS, PERCENT	%	NE	NE	NE		88.6	86.3	71.1	NA	82.6	91.8	93.5	92.7
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	5.27	0.64	NA	11.4	NA	4.73	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-091-MLW	SIB-091-OHW	SIB-091-TOB	SIB-091-TOB	SIB-091-TOB	SIB-092-MLW	SIB-092-MLW	SIB-092-OHW
					Sample ID	SIB-091-MLW-0-1-10102022	SIB-091-OHW-0-1-10102022	SIB-091-TOB-0-1-10102022	SIB-091-TOB-1-2-10102022	SIB-091-TOB-2-3-10102022	SIB-092-MLW-0-1-10102022	SIB-092-MLW-1-2-10102022	SIB-092-OHW-0-1-10102022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		0.6 U	4.8	2.3	NA	NA	0.5 U	NA	4.9
2,4'-DDD	µg/kg	NE	NE	NE		0.4 U	0.6	3	NA	NA	0.29 U	NA	0.31 U
P,P'-DDD	µg/kg	NE	NE	NE		0.23 U	0.95	5.9	NA	NA	0.26 J	NA	0.18 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.4 U	1.6	8.9	NA	NA	0.41	NA	0.31 U
O,P'-DDE	µg/kg	NE	NE	NE		0.5 U	0.41 U	0.34 U	NA	NA	0.37 U	NA	0.39 U
P,P'-DDE	µg/kg	NE	NE	NE		0.45 U	0.36 U	1	NA	NA	0.33 U	NA	0.35 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.5 U	0.41 U	1.2	NA	NA	0.37 U	NA	0.39 U
O,P'-DDT	µg/kg	NE	NE	NE		0.6 U	0.48 U	0.4 U	NA	NA	0.44 UJ	NA	0.47 UJ
P,P'-DDT	µg/kg	NE	NE	NE		0.3 U	0.78	3.2	NA	NA	0.22 UJ	NA	0.32 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.6 U	1	3.4	NA	NA	0.44 U	NA	0.56
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.6 U	3	**13.5**	NA	NA	1.1	NA	1.2
ALDRIN	µg/kg	2	NE	NE		0.5 U	0.41 U	0.34 U	NA	NA	0.37 U	NA	0.39 U
DIELDRIN	µg/kg	0.07	NE	NE		0.49 U	0.4 U	**1.3**	NA	NA	0.36 U	NA	0.38 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.2 UJ	0.16 UJ	0.14 U	NA	NA	0.15 UJ	NA	0.16 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.4 U	0.32 U	2	NA	NA	0.29 U	NA	0.31 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.41 U	0.33 U	1.9	NA	NA	0.3 U	NA	0.32 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.62 U	0.5 U	0.95	NA	NA	0.45 U	NA	0.48 U
Oxychlordane	µg/kg	NE	NE	NE		0.82 U	0.67 U	0.55 U	NA	NA	0.6 U	NA	0.64 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.37 U	0.35 J	2.9	NA	NA	0.27 U	NA	0.29 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.82 U	1.3	**8**	NA	NA	0.6 U	NA	0.64 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.08 J	92.9	55.9	52.4	97.9	23.1	18.1	44.8
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.59 J	363	244	258 J	204	25.9	18.2	193
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.38 U	4.31 J	4.34 J	4 J	4.99	0.666 J	0.543 J	3.64 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		0.162 U	**7.67**	**4.68 J**	**4.7 J**	**3.38 J**	0.231 U	0.139 UJ	**9.21**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.249 U	3.18 J	2.71 J	2.33 J	1.05 J	0.407 J	0.327 U	2.18 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.165 U	3.49 J	2.03 J	1.93 J	1.95 J	1.81 J	1.33 J	2.66 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.277 J	11.7	9.18	8.96	6.52	1.31 J	0.86 J	6.2
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.251 U	1.75 J	0.977 J	1.14 J	1.05 J	0.371 U	0.299 J	1.66 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.245 U	7.4	5.44	4.19 J	1.94 J	0.676 J	0.321 U	3.21 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.217 UJ	12.2	3.78 J	2.23 J	2.29 J	0.311 U	0.218 U	7.25
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.164 U	**2.11 J**	**1.51 J**	**1.67 J**	**1.14 J**	0.249 U	**0.277 J**	**1.12 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.175 U	4.84 J	2.8 J	2.89 J	2.23 J	1.07 J	1.09 J	2.6 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.221 J	**5.2**	**2.79 J**	**3.45 J**	**2.08 J**	**1.02 J**	**1.38 J**	**2.36 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.374 J	**1.73**	**2.11**	**2.99**	**1.4 J**	**0.41 J**	0.471 U	**1.07**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.167 J	**1.57 J**	**0.518 J**	**0.639 J**	**1.72 J**	0.167 U	0.12 U	0.224 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		8.08 J	972	428	468	357	78	46.9	429
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.63 J	111 J	62.7 J	72.8 J	94.4 J	23.3 J	20.4 J	78.1 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.93 J	113 J	56.6 J	54.2 J	33.1 J	15.4 J	8.58 J	48.1 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.9 J	208	193	151	381	17.7	16.1	135
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		28.2 J	3120	1810	2020	1510	444	252	1540
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		4.02 J	91.2 J	35.2 J	33.5 J	26.4 J	26.9 J	14.6 J	43.9 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.32 J	19.2 J	9.11 J	9.02 J	8.09 J	3.46 J	2.17 J	8.06 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		5.81 J	34.2	19.6	25.5	10.2	32.9 J	6.5 J	17.1 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.814 J	10.4 J	2.75 J	3.2 J	5.43 J	1.42 J	1.8 J	1.68 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-091-MLW	SIB-091-OHW	SIB-091-TOB	SIB-091-TOB	SIB-091-TOB	SIB-092-MLW	SIB-092-MLW	SIB-092-OHW
					Sample ID	SIB-091-MLW-0-1-10102022	SIB-091-OHW-0-1-10102022	SIB-091-TOB-0-1-10102022	SIB-091-TOB-1-2-10102022	SIB-091-TOB-2-3-10102022	SIB-092-MLW-0-1-10102022	SIB-092-MLW-1-2-10102022	SIB-092-OHW-0-1-10102022
TOTAL HpCDFs	pg/g	NE	NE	NE		5.12 J	284 J	202 J	188 J	448	47.9 J	37.3 J	184 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		0.51 J	**15.4 J**	9.6 J	**10.1 J**	9.1 J	1.8 J	1.6 J	8 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25.4	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.23	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.7	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.02	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.02	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	712	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	39.9	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.3	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	18.8	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.7	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.1	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.5	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.1	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.6	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	261	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	89.2	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	52.5	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	278	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	162	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.4	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	36.5	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	63.3	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	142	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	624	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	216	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.93	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	384	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.28	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.46	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.3	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	50	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.1	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.6	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	55.4	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	49.9	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	706	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	193	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.2	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	34.8	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	317	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-091-MLW	SIB-091-OHW	SIB-091-TOB	SIB-091-TOB	SIB-091-TOB	SIB-092-MLW	SIB-092-MLW	SIB-092-OHW
					Sample ID	SIB-091-MLW-0-1-10102022	SIB-091-OHW-0-1-10102022	SIB-091-TOB-0-1-10102022	SIB-091-TOB-1-2-10102022	SIB-091-TOB-2-3-10102022	SIB-092-MLW-0-1-10102022	SIB-092-MLW-1-2-10102022	SIB-092-OHW-0-1-10102022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	38.5	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	107	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	29.3	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	28.4	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	109	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	134	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	33.2	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	36.8	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	40.3	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.29	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	649	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.15	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.78	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.6	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	694	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.64	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	44.5	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.3	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.7	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.3	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.7	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.3	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.3	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.8	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	43.7	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.9	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	362	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	31.9	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	146	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	186	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	110	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	68.6	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	37.1	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	242	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	30.1	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	53.9	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	145	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.9	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.2	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.5	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.1	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	28.4	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	53.3	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.9	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	110	NA

Attachment C.1 (continued)
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					Location ID	SIB-091-MLW	SIB-091-OHW	SIB-091-TOB	SIB-091-TOB	SIB-091-TOB	SIB-092-MLW	SIB-092-MLW	SIB-092-OHW
					Sample ID	SIB-091-MLW-0-1-10102022	SIB-091-OHW-0-1-10102022	SIB-091-TOB-0-1-10102022	SIB-091-TOB-1-2-10102022	SIB-091-TOB-2-3-10102022	SIB-092-MLW-0-1-10102022	SIB-092-MLW-1-2-10102022	SIB-092-OHW-0-1-10102022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	330	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.7	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	46.4	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	18.7	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	84.2	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.2	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.4	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	293	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.72	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	121	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.4	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	4.42	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	31.2	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.5	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.3	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.4	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.4	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	302	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.4	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.4	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.8	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.6	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	161	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.2	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.2	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.7	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9710	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	89.9	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.5	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	32.8	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	53	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	29.7	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.96	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.83	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	48	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.7	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.57	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	94.8	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	4.61	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.7	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.3	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.3	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.2	NA

Attachment C.1 (continued)
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					Location ID	SIB-091-MLW	SIB-091-OHW	SIB-091-TOB	SIB-091-TOB	SIB-091-TOB	SIB-092-MLW	SIB-092-MLW	SIB-092-OHW
					Sample ID	SIB-091-MLW-0-1-10102022	SIB-091-OHW-0-1-10102022	SIB-091-TOB-0-1-10102022	SIB-091-TOB-1-2-10102022	SIB-091-TOB-2-3-10102022	SIB-092-MLW-0-1-10102022	SIB-092-MLW-1-2-10102022	SIB-092-OHW-0-1-10102022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	18.4	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.1	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	53	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.1	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.6	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	18.2	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.9	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.8	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.5	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.7	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.2	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.3	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.8	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.9	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.4	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.2	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.2	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.5	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.1	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.1	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.9	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.5	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.69	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.2	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.77	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.9	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.4	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.1	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.72	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.3	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.6	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.7	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.3	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	80000 J	NA	NA	NA	10600 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.5 U	20 U	2 U	NA	NA	2.1 U	NA	2.1 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		5.4 U	890 J	170	NA	NA	55 J	NA	87 J
ARSENIC	mg/kg	3	NE	NE		2.52	**3.94**	**4.53**	**4.98**	**3.96**	**5.17**	**5.48**	1.71
CADMIUM	mg/kg	0.51	NE	NE		0.07 J	**0.6**	**3.88**	**5.7**	**1.5**	0.08 J	0.22	0.24
COPPER	mg/kg	359	NE	NE		19.3 J	58.5 J	96.2 J	142	49.2	21.4 J	28.5	26.1 J
LEAD	mg/kg	196	NE	NE		6.02	59.5	72.2	78.9	39.5	27.9	10.6	14.6
ZINC	mg/kg	459	NE	NE		58.1	393	151	136	170	86.2	76.9	140
MERCURY	mg/kg	0.085	NE	NE		0.0338	**0.189**	**0.133**	**0.166 J**	**0.122 J**	**0.0939**	**0.0896 J**	0.0495
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	2.9 U	2.9 U	0.6 U	0.6 U	0.6 U	NA	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	7.7 U	7.8 U	1.6 U	1.6 U	1.6 U	NA	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

				Location ID	SIB-091-MLW	SIB-091-OHW	SIB-091-TOB	SIB-091-TOB	SIB-091-TOB	SIB-092-MLW	SIB-092-MLW	SIB-092-OHW
				Sample ID	SIB-091-MLW-0-1-10102022	SIB-091-OHW-0-1-10102022	SIB-091-TOB-0-1-10102022	SIB-091-TOB-1-2-10102022	SIB-091-TOB-2-3-10102022	SIB-092-MLW-0-1-10102022	SIB-092-MLW-1-2-10102022	SIB-092-OHW-0-1-10102022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	1.6 U	7.7 U	7.8 U	1.6 U	1.6 U	1.6 U	NA	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	1.6 U	7.7 U	7.8 U	1.6 U	1.6 U	1.6 U	NA	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	1.6 U	7.7 U	7.8 U	1.6 U	1.6 U	1.6 U	NA	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	1.6 U	7.7 U	7.8 U	20.5	14.4	1.6 U	NA	9.7
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	1.6 U	32.9	93.6	91.4	35.9	1.8 J	NA	9.8
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	0.6 U	85.1	47.5	62.8	64.2	2.3 J	NA	13.8
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U	0.6 U	NA	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	1.6 U	**140**	**164**	**179**	**118**	8.7	NA	**37.1**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	20 J	36 J	130	NA	NA	11 U	NA	68 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.51 U	4 U	0.39 UJ	NA	NA	0.43 U	NA	0.43 U
ACENAPHTHENE	µg/kg	NE	NE	NE	0.85 J	3.3 U	0.66 J	NA	NA	3.9 J	NA	1.6 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE	0.39 UJ	3.1 UJ	0.3 U	NA	NA	7.1	NA	6.1
ANTHRACENE	µg/kg	NE	NE	NE	0.59 J	7.2 J	0.95 J	NA	NA	7.8	NA	4.3 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	0.32 UJ	30 J	6.5	NA	NA	10	NA	18
BENZO(A)PYRENE	µg/kg	NE	NE	NE	3.4 J	92	9.6	NA	NA	16	NA	40
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	1.1 J	76	18	NA	NA	15	NA	51
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	1.5 J	68	15 J	NA	NA	11	NA	22
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	0.33 U	21 J	7.1	NA	NA	5.1 J	NA	16
CHRYSENE	µg/kg	NE	NE	NE	0.8 J	40 J	16	NA	NA	14	NA	36
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	0.32 U	10 J	1.9 J	NA	NA	0.97 J	NA	3.2 J
FLUORANTHENE	µg/kg	NE	NE	NE	6.2 J	75	21 J	NA	NA	25	NA	60
FLUORENE	µg/kg	NE	NE	NE	0.78 U	6.2 U	0.6 U	NA	NA	0.66 U	NA	0.65 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	0.7 J	55	12	NA	NA	9.9	NA	28
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.65 UJ	5.1 UJ	0.5 UJ	NA	NA	0.55 U	NA	0.54 U
PHENANTHRENE	µg/kg	NE	NE	NE	0.81 U	6.4 U	0.62 U	NA	NA	0.68 U	NA	0.68 U
PYRENE	µg/kg	NE	NE	NE	11	64	18	NA	NA	49	NA	62
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	28.2	552	128	NA	NA	176	NA	349
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	3.8 J	118 J	15.2 J	NA	NA	20.5 J	NA	53.1 J
SOLIDS, PERCENT	%	NE	NE	NE	72.2	90.3	92.8	NA	NA	86.2	NA	88
TOTAL ORGANIC CARBON	%	NE	NE	NE	0.42	5.01	3.05	NA	NA	0.31	NA	3.02

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-092-TOB	SIB-092-TOB	SIB-093-MLW	SIB-093-OHW	SIB-093-OHW	SIB-093-OHW	SIB-093-TOB	SIB-093-TOB
					Sample ID	SIB-092-TOB-0-1-10102022	SIB-092-TOB-1-2-10102022	SIB-093-MLW-0-1-10072022	SIB-093-OHW-0-1-10072022	SIB-093-OHW-1-2-10072022	SIB-093-OHW-2-3-10072022	SIB-093-TOB-0-1-10072022	SIB-093-TOB-1-2-10072022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		3.1	NA	0.52 U	1.7	NA	NA	8.5	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.28 U	0.28 U	0.3 U	0.32 U	NA	NA	0.27 U	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.72	0.55	0.17 U	0.38 J	NA	NA	0.3 J	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.86	0.69	0.3 U	0.54	NA	NA	0.44	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.35 U	0.35 U	0.38 U	0.4 U	NA	NA	0.33 U	NA
P,P'-DDE	µg/kg	NE	NE	NE		1.2	1.3	0.33 U	0.36 U	NA	NA	0.3 U	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		1.4	1.5	0.38 U	0.4 U	NA	NA	0.33 U	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.41 UJ	0.42 U	0.45 UJ	0.48 UJ	NA	NA	0.4 UJ	NA
P,P'-DDT	µg/kg	NE	NE	NE		5.5 J	6.7	0.23 UJ	1.3 J	NA	NA	0.98 J	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		5.7	6.9	0.45 U	1.5	NA	NA	1.2	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**7.9**	**9.1**	0.45 U	2.5	NA	NA	1.9	NA
ALDRIN	µg/kg	2	NE	NE		0.35 U	0.35 U	0.38 U	0.4 U	NA	NA	0.33 U	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.34 U	0.34 U	0.37 U	0.39 U	NA	NA	0.32 U	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.14 UJ	0.14 U	0.15 UJ	0.16 UJ	NA	NA	0.13 UJ	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.27 U	0.28 U	0.3 U	0.32 U	NA	NA	0.26 U	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.28 U	0.29 U	0.31 U	0.33 U	NA	NA	0.27 U	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.43 U	0.43 U	0.46 U	0.49 U	NA	NA	0.41 U	NA
Oxychlordane	µg/kg	NE	NE	NE		0.57 U	0.58 U	0.62 U	0.66 U	NA	NA	0.54 U	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.26 U	0.26 U	0.28 U	0.3 U	NA	NA	0.25 U	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.57 U	0.58 U	0.62 U	0.66 U	NA	NA	0.54 U	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		91.1	121	0.255 U	137	213	226	81	108
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		174	160	2.96 J	137	192	188	123	134
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.06 J	3.39 J	0.365 U	3.44 J	4.79 J	4.79 J	2.67 J	3.36 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**21.2**	**10.3**	0.111 U	**13.2**	**12.4**	**13.5**	**12.4**	**7.26**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.65 J	1.5 J	0.182 U	2.03 J	1.97 J	1.95 J	1.99 J	1.61 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.01	3.52 J	0.118 U	7.36	6.21 J	6.7	5.52	3.73 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		7.75	6.27	0.187 J	7.84	8.25	7.79	6.39	6.1
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.54 J	1.12 J	0.176 U	1.7 J	2.01 U	2.61 U	1.04 J	1.26 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.75 J	2.58 J	0.261 J	2.73 J	3.04 J	3.14 J	3.18 J	2.75 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		38.5	16.3	0.122 UJ	4.47 J	10.6	12.8	3.06 J	15.2
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**3.05 J**	**1.78 J**	0.132 U	**1.32 J**	**1.81 J**	**1.63 J**	**2.06 J**	1.08 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.15	4.69 J	0.142 J	6.79	7.57 J	6.78 J	3.98 J	4.34 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**6.17**	**4.83 J**	0.119 U	**6.03**	**8.83**	**10.7 J**	**4.25 J**	**5.07**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**7.27**	**3.06**	0.231 J	2.37 U	**1.46**	**1.89**	**1.97**	**1.72**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**19.6**	**4.21**	0.106 U	**1.4 J**	0.49 U	**0.587**	**0.388 J**	0.458 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		519 J	416 J	6.18 J	277 J	418 J	397	303	322
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		133 J	128 J	1.8 J	161 J	210 J	229 J	106 J	110 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		80.1 J	53.2 J	1.65 J	58.6 J	65.4 J	62.1 J	57.6 J	51.6 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		113	141	1.43 J	143	225	243	102	131
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1790	1820	20.4	1370	2310	2270	1390	1650
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		263 J	115 J	1.42 J	217 J	113 J	148 J	179 J	86.1 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		33.1 J	18.7 J	0.132 U	15.3 J	19 J	21.8 J	18.3 J	13.5 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		186 J	46.7 J	1 J	223 J	47.3	60.2	177 J	37.4
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		35.3 J	12.8 J	0.11 J	8.61 J	7.27 J	12.1 J	9.05 J	5.69 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-092-TOB	SIB-092-TOB	SIB-093-MLW	SIB-093-OHW	SIB-093-OHW	SIB-093-OHW	SIB-093-TOB	SIB-093-TOB
					Sample ID	SIB-092-TOB-0-1-10102022	SIB-092-TOB-1-2-10102022	SIB-093-MLW-0-1-10072022	SIB-093-OHW-0-1-10072022	SIB-093-OHW-1-2-10072022	SIB-093-OHW-2-3-10072022	SIB-093-TOB-0-1-10072022	SIB-093-TOB-1-2-10072022
TOTAL HpCDFs	pg/g	NE	NE	NE		240 J	290 J	2.92 J	327 J	515 J	534 J	210 J	260 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**34.4 J**	**14.7 J**	0.29 J	**12.2 J**	**14.1 J**	**15.1 J**	**10 J**	8.6 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	15.5
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.52
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	14.1
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.25
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.4
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1290
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	30
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	13.3
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	11.6
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	13.5
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	15.8
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	14.5
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	49
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	13.4
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	14.3
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2530
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	628
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	285
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2440
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1660
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	67.6
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	189
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	689
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1040
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5290
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.51
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	13
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1340
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.59
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3370
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.76
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.8
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	99.4
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	574
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	76
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.92
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	443
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	258
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5570
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	974
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	15.6
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	139
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2090

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-092-TOB	SIB-092-TOB	SIB-093-MLW	SIB-093-OHW	SIB-093-OHW	SIB-093-OHW	SIB-093-TOB	SIB-093-TOB
					Sample ID	SIB-092-TOB-0-1-10102022	SIB-092-TOB-1-2-10102022	SIB-093-MLW-0-1-10072022	SIB-093-OHW-0-1-10072022	SIB-093-OHW-1-2-10072022	SIB-093-OHW-2-3-10072022	SIB-093-TOB-0-1-10072022	SIB-093-TOB-1-2-10072022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	189
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	310
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	63.7
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	43.9
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	803
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1030
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	14.1
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	15.2
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	144
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	20.8
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4330
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1.93
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1.84
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.06
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5030
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	91.7
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1.65
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	249
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	286
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	10.7
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	286
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	10.7
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.85
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.4
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.68
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	436
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	10.1
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	12.5
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	991
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	75.9
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	345
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1370
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	538
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	673
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	207
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1710
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	124
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	320
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	992
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.17
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	79.2
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	171
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	46.9
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	28.1
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	89.4
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	91.6
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	278

Attachment C.1 (continued)
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					Location ID	SIB-092-TOB	SIB-092-TOB	SIB-093-MLW	SIB-093-OHW	SIB-093-OHW	SIB-093-OHW	SIB-093-TOB	SIB-093-TOB
					Sample ID	SIB-092-TOB-0-1-10102022	SIB-092-TOB-1-2-10102022	SIB-093-MLW-0-1-10072022	SIB-093-OHW-0-1-10072022	SIB-093-OHW-1-2-10072022	SIB-093-OHW-2-3-10072022	SIB-093-TOB-0-1-10072022	SIB-093-TOB-1-2-10072022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	707
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	16.2
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	70.3
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	12.2
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	195
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	13
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	12
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	639
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.25
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	309
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	12.7
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1.93
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	212
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	39.4
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.14
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	11.9
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	42.7
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	891
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.16
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.08
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.16
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.08
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.16
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	14.1
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	505
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.98
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.1
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	10.7
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.16
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	56500
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	175
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	10.3
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	10.5
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	15.2
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	65.4
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	12.4
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.03
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.74
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	35.9
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.98
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.32
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	166
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	1.8
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	19.8
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.66
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.11
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.92

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-092-TOB	SIB-092-TOB	SIB-093-MLW	SIB-093-OHW	SIB-093-OHW	SIB-093-OHW	SIB-093-TOB	SIB-093-TOB
				Sample ID	SIB-092-TOB-0-1-10102022	SIB-092-TOB-1-2-10102022	SIB-093-MLW-0-1-10072022	SIB-093-OHW-0-1-10072022	SIB-093-OHW-1-2-10072022	SIB-093-OHW-2-3-10072022	SIB-093-TOB-0-1-10072022	SIB-093-TOB-1-2-10072022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	7.43
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	9.76
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	50.5
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.92
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.14
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	5.8
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	21.1
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.68
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	7.17
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	9.72
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.87
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	7.88
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.19
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.51
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	3.58
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	4.17
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	10
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	5.63
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	14.4
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.68
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	14.4
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.68
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	6.77
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	2.38
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	2.74
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	3.1
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	3.28
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	3.25
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	3.1
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	13.5
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	2.72
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	5.5
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	5.29
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	11
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	5.5
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	5.44
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	NA	1280 J	NA	NA	NA	NA	56800 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	2 U	NA	2.2 U	2 U	NA	NA	2 U	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	120 J	NA	4.7 U	4.4 U	NA	NA	4.3 U	NA
ARSENIC	mg/kg	3	NE	NE	**3.81**	**3.64**	2.69	**3.98**	**4.62**	**4.59**	**3.59**	**3.47**
CADMIUM	mg/kg	0.51	NE	NE	0.39	0.32	0.08 J	0.44	0.45	0.37	**0.52**	0.45
COPPER	mg/kg	359	NE	NE	43.3 J	36.9	17.1 J	46.4 J	47	45.8	44.4 J	39.4
LEAD	mg/kg	196	NE	NE	32.8	18.9	9.5	27.9	26.1	29.8	23.9	19.7
ZINC	mg/kg	459	NE	NE	217	128	64.9	160	136	123	183	149
MERCURY	mg/kg	0.085	NE	NE	**0.24**	**0.211 J**	0.0261	**0.298**	**0.433 J**	**0.213 J**	**0.234**	**0.234 J**
Aroclor 1262	µg/kg	NE	NE	NE	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-092-TOB	SIB-092-TOB	SIB-093-MLW	SIB-093-OHW	SIB-093-OHW	SIB-093-OHW	SIB-093-TOB	SIB-093-TOB
					Sample ID	SIB-092-TOB-0-1-10102022	SIB-092-TOB-1-2-10102022	SIB-093-MLW-0-1-10072022	SIB-093-OHW-0-1-10072022	SIB-093-OHW-1-2-10072022	SIB-093-OHW-2-3-10072022	SIB-093-TOB-0-1-10072022	SIB-093-TOB-1-2-10072022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	3.6 J	1.6 U	7.8 U	5.4	4.3	7.8 U	2.1 J
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		47.7	12.6	1.6 U	7.8 U	11.8	20.4	21.7	14.2
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		85	93.1	0.6 U	112	106	126	78.7	64
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**155**	**113**	1.6 U	**138**	**127**	**155**	**123**	**84.1**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		60 J	NA	11 U	9.9 UJ	NA	NA	84 J	NA
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	NA	0.44 U	0.4 U	NA	NA	0.4 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		2.8 J	NA	0.55 J	2.3 J	NA	NA	1.9 J	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		5.5	NA	2.2 J	9.2	NA	NA	5.8	NA
ANTHRACENE	µg/kg	NE	NE	NE		5.5	NA	2.5 J	9.7	NA	NA	4.9 J	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		32	NA	13	67	NA	NA	26	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		59	NA	16	110	NA	NA	53	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		81	NA	13	110	NA	NA	60	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		42	NA	7.3	70	NA	NA	37	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		24	NA	6	36	NA	NA	21	NA
CHRYSENE	µg/kg	NE	NE	NE		64	NA	13	87	NA	NA	45	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		5.7	NA	1.2 J	9.9	NA	NA	5.5	NA
FLUORANTHENE	µg/kg	NE	NE	NE		73	NA	20	150	NA	NA	66	NA
FLUORENE	µg/kg	NE	NE	NE		0.6 U	NA	0.67 U	0.62 U	NA	NA	0.62 U	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		49	NA	9.1	79	NA	NA	41	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.5 U	NA	0.56 U	0.51 U	NA	NA	0.51 U	NA
PHENANTHRENE	µg/kg	NE	NE	NE		39	NA	7.9	90	NA	NA	32	NA
PYRENE	µg/kg	NE	NE	NE		76	NA	29	190	NA	NA	66	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		559	NA	142	1020	NA	NA	466	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		81.2	NA	20.8 J	146	NA	NA	71.5	NA
SOLIDS, PERCENT	%	NE	NE	NE		91.7	89.4	83.3	90.4	NA	NA	90.6	NA
TOTAL ORGANIC CARBON	%	NE	NE	NE		3	NA	0.2	2.46	NA	NA	5.56	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-093-TOB	SIB-094-MLW	SIB-094-OHW	SIB-094-TOB	SIB-094-TOB	SIB-094-TOB	SIB-095-MLW	SIB-095-OHW
					Sample ID	SIB-093-TOB-2-3-10072022	SIB-094-MLW-0-1-10072022	SIB-094-OHW-0-1-10072022	SIB-094-TOB-0-1-10072022	SIB-094-TOB-1-2-10072022	SIB-094-TOB-2-3-10072022	SIB-095-MLW-0-1-10072022	SIB-095-OHW-0-1-10072022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	0.65 U	14	15	8.8	2.1	2.2	2.4 J
2,4'-DDD	µg/kg	NE	NE	NE		NA	0.43 U	0.33 U	0.28 U	0.27 U	0.38 J	0.3 U	0.27 U
P,P'-DDD	µg/kg	NE	NE	NE		NA	0.24 U	0.48 J	0.93	0.33 J	0.16 U	0.27 J	0.16 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	0.43 U	0.65	1.1	0.47	0.46	0.42	0.3
O,P'-DDE	µg/kg	NE	NE	NE		NA	0.54 U	0.41 U	0.35 U	0.34 U	0.35 U	0.37 U	0.33 U
P,P'-DDE	µg/kg	NE	NE	NE		NA	0.48 U	2.7	1.1	1.1	0.65	0.33 U	0.3 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	0.54 U	2.9	1.3	1.3	0.83	0.37 U	0.33 U
O,P'-DDT	µg/kg	NE	NE	NE		NA	0.64 UJ	1.1 J	1 J	0.48	18	0.44 UJ	0.4 UJ
P,P'-DDT	µg/kg	NE	NE	NE		NA	0.32 UJ	4.6 J	8.4 J	5.5	22	0.22 UJ	1 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	0.64 U	5.7	9.4	6	40	0.44 U	1.2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	0.64 U	**9.3**	**11.7**	**7.7**	**41.3**	1.1	1.8
ALDRIN	µg/kg	2	NE	NE		NA	0.54 U	0.41 U	0.35 U	0.34 U	0.35 U	0.37 U	0.33 U
DIELDRIN	µg/kg	0.07	NE	NE		NA	0.52 U	0.4 U	**7**	**7.3**	**0.81 J**	0.36 U	0.33 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	0.21 UJ	0.16 UJ	0.14 UJ	0.14 U	0.14 U	0.15 UJ	0.13 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.42 U	0.32 U	1.1	0.41 J	0.28 U	0.29 U	0.26 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.44 U	0.33 U	1.1	0.39 J	0.28 U	0.3 U	0.27 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.66 U	0.5 U	0.43 U	0.42 U	0.43 U	0.46 U	0.41 U
Oxychlordane	µg/kg	NE	NE	NE		NA	0.88 U	0.67 U	0.58 U	0.56 U	0.57 U	0.61 U	0.55 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.4 U	0.34 J	1.3	0.65 J	0.26 U	0.27 U	0.25 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	0.88 U	1.3	**4**	**1.9**	0.57 U	0.61 U	0.55 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		109	0.142 U	91.8	251	51.7	84.1	21.3	34.8
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		92.9	1.9 J	204	1230	233	109	28.7	102
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.58 J	0.205 U	7.28	26	4 J	3.05 J	0.837 J	1.7 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**4.39 J**	0.0819 U	**18.5**	**60.8**	**9.36**	**5.84**	0.278 U	**6.23**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.4 J	0.182 U	2.52 J	13.8	2.56 J	1.35 J	0.383 J	1.03 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.84 J	0.0819 U	6.04	17.7	2.27 J	2.91 J	1.1 J	2.25 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.9 J	0.172 U	8.5	54.6	7.59	5.73	1.33 J	4.03 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.14 U	0.13 U	2.44 J	19.3	2.04 J	1.37 J	0.417 J	0.841 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.91 J	0.233 J	2.92 J	20.8	3.4 J	2.13 J	0.801 J	2.04 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		7.5	0.121 UJ	2.56 J	21.1	7.57	6	0.294 UJ	1.73 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		1.35 U	0.12 U	**1.51 J**	**6.22 J**	**1.44 J**	**1.25 J**	0.45 U	**0.466 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.42 J	0.0845 U	4.97 J	20.4	3.22 J	3.65 J	1.75 J	1.86 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**4.33 J**	0.11 U	**5.02**	**24.9**	**3.86 J**	**4.76 J**	**2.96 J**	**2.07 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.23 J**	0.299 J	**1.7 J**	**8.27**	**1.68**	**1.3**	**0.79 J**	**1.13**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.386 J**	0.114 U	**0.452 J**	**1.08**	**0.617 J**	0.512 U	0.202 U	0.207 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		216	4.43 J	476	2200	436	222	57.5	207
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		91.6 J	0.5 J	132 J	588 J	89.3 J	91.5 J	29.1 J	54.9 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		40.3 J	1.68 J	69.6 J	266 J	52.8 J	39.3 J	9.76 J	27.7 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		113	1.32 J	135	277	80.3	100	28.6	73
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1310	33	1960	9560 J	2180	1190	234	1010
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		68.9 J	0.327 J	139 J	237 J	39.7 J	56 J	31.2 J	59.5 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		6.93 J	0.269 J	15.6 J	41.9 J	12.5 J	10.5 J	0.79 J	4.76 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		28.8	1.26 J	120 J	188 J	25.1	27.5 J	19.6 J	45.6 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5.72 J	0.114 U	6.05 J	14.8 J	3.4 J	5.29	1.63 J	1.03

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-093-TOB	SIB-094-MLW	SIB-094-OHW	SIB-094-TOB	SIB-094-TOB	SIB-094-TOB	SIB-095-MLW	SIB-095-OHW
					Sample ID	SIB-093-TOB-2-3-10072022	SIB-094-MLW-0-1-10072022	SIB-094-OHW-0-1-10072022	SIB-094-TOB-0-1-10072022	SIB-094-TOB-1-2-10072022	SIB-094-TOB-2-3-10072022	SIB-095-MLW-0-1-10072022	SIB-095-OHW-0-1-10072022
TOTAL HpCDFs	pg/g	NE	NE	NE		248 J	1.28 J	295 J	885 J	162 J	209 J	51.4 J	116 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		7.2 J	0.26 J	**12 J**	**55 J**	**10.2 J**	7.9 J	2.5 J	4.9 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-093-TOB	SIB-094-MLW	SIB-094-OHW	SIB-094-TOB	SIB-094-TOB	SIB-094-TOB	SIB-095-MLW	SIB-095-OHW
					Sample ID	SIB-093-TOB-2-3-10072022	SIB-094-MLW-0-1-10072022	SIB-094-OHW-0-1-10072022	SIB-094-TOB-0-1-10072022	SIB-094-TOB-1-2-10072022	SIB-094-TOB-2-3-10072022	SIB-095-MLW-0-1-10072022	SIB-095-OHW-0-1-10072022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-093-TOB	SIB-094-MLW	SIB-094-OHW	SIB-094-TOB	SIB-094-TOB	SIB-094-TOB	SIB-095-MLW	SIB-095-OHW
					Sample ID	SIB-093-TOB-2-3-10072022	SIB-094-MLW-0-1-10072022	SIB-094-OHW-0-1-10072022	SIB-094-TOB-0-1-10072022	SIB-094-TOB-1-2-10072022	SIB-094-TOB-2-3-10072022	SIB-095-MLW-0-1-10072022	SIB-095-OHW-0-1-10072022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-093-TOB	SIB-094-MLW	SIB-094-OHW	SIB-094-TOB	SIB-094-TOB	SIB-094-TOB	SIB-095-MLW	SIB-095-OHW
				Sample ID	SIB-093-TOB-2-3-10072022	SIB-094-MLW-0-1-10072022	SIB-094-OHW-0-1-10072022	SIB-094-TOB-0-1-10072022	SIB-094-TOB-1-2-10072022	SIB-094-TOB-2-3-10072022	SIB-095-MLW-0-1-10072022	SIB-095-OHW-0-1-10072022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	NA	52100 J	NA	NA	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	NA	2.7 U	2.1 U	21 U	2 U	2 U	2.1 U	1.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	NA	5.8 U	330	1100 J	4.3 U	4.3 U	4.6 U	4.1 U
ARSENIC	mg/kg	3	NE	NE	**3.59**	**3.13**	**3.18**	**5.79**	**4.53**	**3.94**	**4.35**	**3.4**
CADMIUM	mg/kg	0.51	NE	NE	0.34	0.1 J	0.49	**1.71**	0.39	0.28	0.07 J	0.14
COPPER	mg/kg	359	NE	NE	36.4	41.3 J	41 J	139 J	46.5	33.5	26.9 J	29.2 J
LEAD	mg/kg	196	NE	NE	17	7.86	21.3	123	28.4	20.9	40.9	20.9
ZINC	mg/kg	459	NE	NE	102	76	175	450	171	96.9	78.2	86.3
MERCURY	mg/kg	0.085	NE	NE	**0.198 J**	0.0597	**0.169**	**0.229**	0.0793 J	**0.223 J**	0.0227 J	0.0781
Aroclor 1262	µg/kg	NE	NE	NE	0.6 U	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	1.6 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-093-TOB	SIB-094-MLW	SIB-094-OHW	SIB-094-TOB	SIB-094-TOB	SIB-094-TOB	SIB-095-MLW	SIB-095-OHW
					Sample ID	SIB-093-TOB-2-3-10072022	SIB-094-MLW-0-1-10072022	SIB-094-OHW-0-1-10072022	SIB-094-TOB-0-1-10072022	SIB-094-TOB-1-2-10072022	SIB-094-TOB-2-3-10072022	SIB-095-MLW-0-1-10072022	SIB-095-OHW-0-1-10072022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		3.6 J	1.6 U	7.8 U	7.8 U	9.8	3 J	1.6 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		8.4	1.6 U	7.8 U	89.3 J	21.8	16.9	11.1 J	7.8 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		50.8	0.6 U	86.1	91.9 J	25.9	74.9	0.6 U	23.5
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	2.9 U	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**66.6**	1.6 U	**112**	**204**	**61.3**	**98.6**	**16**	**49.8**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		NA	14 U	120	**1800**	**350**	66 J	11 U	9.2 UJ
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	0.54 U	0.42 U	4.1 U	0.41 UJ	0.4 UJ	0.43 U	0.38 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	0.44 U	9.8	300	94	13	2.1 J	1.3 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	1.3 J	5.6 J	6.1 J	1.7 J	4 J	0.58 J	3.6 J
ANTHRACENE	µg/kg	NE	NE	NE		NA	1.5 J	15	390	110	16	4.5 J	2.8 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	6.1 J	73	2500	710	120	9.1	15
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	7.9	120	3100	890	160	10	28
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	5 J	130	3500	1000	190	12	28
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	2.4 J	62	1300	540 J	130 J	5.7 J	17
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	2.5 J	45	1300	400	74	4 J	10
CHRYSENE	µg/kg	NE	NE	NE		NA	5.8 J	92	2400	800	140	12	21
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	0.89 J	14	400	120	22	1 J	4.5 J
FLUORANTHENE	µg/kg	NE	NE	NE		NA	7.4	130	3300	1100 J	190 J	25	28
FLUORENE	µg/kg	NE	NE	NE		NA	0.83 U	0.65 U	6.3 U	39 J	0.61 UJ	0.66 U	0.59 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	3.3 J	78	2000	590	120	6.3	21
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	0.69 U	0.54 U	5.2 U	0.52 UJ	0.5 UJ	0.54 U	0.49 U
PHENANTHRENE	µg/kg	NE	NE	NE		NA	1.3 J	67	1400	450	73	23	15
PYRENE	µg/kg	NE	NE	NE		NA	11	120	3000	890	170	30	35
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	57.6	962	**24900**	7740	1420	146	231
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	10.3 J	163	**4320**	**1240**	226	13.8 J	39 J
SOLIDS, PERCENT	%	NE	NE	NE		NA	66.3	86.9	87.6	91.5	91.2	86.1	96.6
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	0.34	6.12	10.5	3.73	0.96	0.29	0.7

Attachment C.1 (continued)
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					Location ID	SIB-095-TOB	SIB-095-TOB	SIB-095-TOB	SIB-096-MLW	SIB-096-OHW	SIB-096-OHW	SIB-096-TOB	SIB-097-MLW
					Sample ID	SIB-095-TOB-0-1-10072022	SIB-095-TOB-1-2-10072022	SIB-095-TOB-2-3-10072022	SIB-096-MLW-0-1-10072022	SIB-096-OHW-0-1-10072022	SIB-096-OHW-1-2-10072022	SIB-096-TOB-0-1-10072022	SIB-097-MLW-0-1-10072022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		5.2 J	NA	NA	0.51 U	18	NA	5.2	0.59 J
2,4'-DDD	µg/kg	NE	NE	NE		0.28 U	NA	NA	0.33 U	0.28 U	NA	0.27 U	0.35 U
P,P'-DDD	µg/kg	NE	NE	NE		0.275 J	NA	NA	0.19 U	0.16 U	NA	0.15 U	0.2 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.42	NA	NA	0.33 U	0.28 U	NA	0.27 U	0.35 U
O,P'-DDE	µg/kg	NE	NE	NE		0.35 U	NA	NA	0.41 U	0.36 U	NA	0.34 U	0.44 U
P,P'-DDE	µg/kg	NE	NE	NE		0.31 U	NA	NA	0.37 U	0.32 U	NA	0.3 U	0.39 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.35 U	NA	NA	0.41 U	0.36 U	NA	0.34 U	0.44 U
O,P'-DDT	µg/kg	NE	NE	NE		0.42 UJ	NA	NA	0.49 UJ	0.42 UJ	NA	0.4 UJ	0.52 UJ
P,P'-DDT	µg/kg	NE	NE	NE		1.8 J	NA	NA	0.25 UJ	0.62 J	NA	0.39 J	0.26 UJ
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		2	NA	NA	0.49 U	0.83	NA	0.59	0.52 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		2.8	NA	NA	0.49 U	1.4	NA	1.1	0.52 U
ALDRIN	µg/kg	2	NE	NE		0.35 U	NA	NA	0.41 U	0.36 U	NA	0.34 U	0.44 U
DIELDRIN	µg/kg	0.07	NE	NE		0.34 U	NA	NA	0.4 U	0.35 U	NA	0.33 U	0.43 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.14 UJ	NA	NA	0.16 UJ	0.14 UJ	NA	0.14 UJ	0.17 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.28 U	NA	NA	0.32 U	1.3	NA	0.27 U	0.34 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.28 U	NA	NA	0.33 U	0.29 U	NA	0.28 U	0.36 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.43 U	NA	NA	0.5 U	0.93	NA	0.42 U	0.54 U
Oxychlordane	µg/kg	NE	NE	NE		0.57 U	NA	NA	0.67 U	0.58 U	NA	0.55 U	0.72 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.26 U	NA	NA	0.3 U	3.5	NA	0.75 J	0.32 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.57 U	NA	NA	0.67 U	**6.2**	NA	**1.5**	0.72 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		62.7	107	57.1	0.298 UJ	313	91.7	30.2	8.83
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		85.3 J	98.7	57.6	3.19 J	4460	872	110	23.4
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.73 J	2.41 J	2.39 U	0.51 U	16 J	4.5 J	2.08 J	0.553 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**10.4**	**6.78**	**6.17**	0.171 UJ	**41.5**	**9.06**	**3 J**	**1.23 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.095 J	1.19 J	1.16 U	0.333 U	37.6 J	7.47	0.692 U	0.372 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.97 J	3.36 J	1.79 J	0.172 U	19.4 J	4.02 J	1.66 J	0.773 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.205 J	4.79 J	2.13 J	0.323 U	211	31.7	4.29 J	1.44 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.849 J	1.04 J	2.39 U	0.294 U	18.4 J	3.04 J	0.789 U	0.32 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.885 J	1.78 J	1.24 J	0.329 U	67.6	13.8	2.34 J	0.924 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.32 J	12	10.4	0.248 U	16.2 J	5.84	1.2 J	0.201 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**0.927 J**	1.09 U	0.746 U	0.327 U	**14.3**	**2.37 J**	**0.821 J**	**0.33 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.93 J	4.04 J	2.76 J	0.184 U	23 J	4.91 J	1.67 J	0.93 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**3.59 J**	**5.25**	**2.14 J**	0.224 U	**23.2 J**	**5.8 J**	**1.52 J**	**1.07 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.845 J**	**1.31**	**1.11 J**	0.315 U	**6.91**	**1.73**	1.66 U	**0.558 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.279 J**	0.373 U	0.433 U	0.254 U	1.73 U	0.383 U	0.336 U	0.162 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		182	215	120	6.99 J	7370	1540	209	47.5
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		85.1 J	111 J	62.3 J	1.16 J	828 J	174 J	49 J	16.5 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		34.9 J	39.7 J	16.8 J	2.16 J	862 J	154 J	28.2 J	10.3 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		72.15	116	70.8	1.05 J	324	181	70.7	10.6
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		734.5	1170	623	21.2	24900 J	5910 J	973	162
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		154 J	89.5 J	53.2 J	0.563 J	267 J	44.7 J	37.1 J	15 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		11.29 J	10.4 J	4.61 J	9.31	53.7 J	13.3 J	3.81 J	2.03 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		126 J	33	23.8 J	0.315 U	48 J	9.3	18.4 J	7.84 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.385 J	5.28 J	11.1 J	0.254 U	1.73 U	0.872 J	0.801 J	0.162 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-095-TOB	SIB-095-TOB	SIB-095-TOB	SIB-096-MLW	SIB-096-OHW	SIB-096-OHW	SIB-096-TOB	SIB-097-MLW
					Sample ID	SIB-095-TOB-0-1-10072022	SIB-095-TOB-1-2-10072022	SIB-095-TOB-2-3-10072022	SIB-096-MLW-0-1-10072022	SIB-096-OHW-0-1-10072022	SIB-096-OHW-1-2-10072022	SIB-096-TOB-0-1-10072022	SIB-097-MLW-0-1-10072022
TOTAL HpCDFs	pg/g	NE	NE	NE		153 J	256 J	135	2.25 J	1010 J	326 J	114 J	21.8 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		6.9	7.6 J	4.6 J	0.48 J	**121 J**	**23.6 J**	4.7 J	1.8 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	13.6	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	5.59	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	12.3	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	6.77	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	12.8	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	1550	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	25.6	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	11.4	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	10.1	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	11.6	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	13.5	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	12.1	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	36.4	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	11.3	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	12.1	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	3660	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	1030	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	492	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	3280	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	2330	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	132	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	328	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	843	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	1400	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	8200	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	17.8	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	12.5	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	2250	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	2.85	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	4490	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	3.01	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	4.38	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	136	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	763	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	128	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	10.3	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	464	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	277	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	6200	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	1300	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	21.1	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	158	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	2530	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-095-TOB	SIB-095-TOB	SIB-095-TOB	SIB-096-MLW	SIB-096-OHW	SIB-096-OHW	SIB-096-TOB	SIB-097-MLW
					Sample ID	SIB-095-TOB-0-1-10072022	SIB-095-TOB-1-2-10072022	SIB-095-TOB-2-3-10072022	SIB-096-MLW-0-1-10072022	SIB-096-OHW-0-1-10072022	SIB-096-OHW-1-2-10072022	SIB-096-TOB-0-1-10072022	SIB-097-MLW-0-1-10072022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	188	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	355	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	49.9	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	60.3	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	1000	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	1270	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	12.6	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	14	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	207	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	23.6	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	5300	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	4.26	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	7.5	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	4.53	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	5770	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	114	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	3.78	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	148	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	335	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	9.54	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	335	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	9.54	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	8.48	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	8.83	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	9.02	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	540	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	9.1	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	15.6	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	1180	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	111	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	394	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	1900	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	889	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	865	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	291	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	2130	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	203	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	375	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	1350	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	3.32	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	98.2	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	197	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	21	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	21.2	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	41.4	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	36.8	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	119	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-095-TOB	SIB-095-TOB	SIB-095-TOB	SIB-096-MLW	SIB-096-OHW	SIB-096-OHW	SIB-096-TOB	SIB-097-MLW
					Sample ID	SIB-095-TOB-0-1-10072022	SIB-095-TOB-1-2-10072022	SIB-095-TOB-2-3-10072022	SIB-096-MLW-0-1-10072022	SIB-096-OHW-0-1-10072022	SIB-096-OHW-1-2-10072022	SIB-096-TOB-0-1-10072022	SIB-097-MLW-0-1-10072022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	400	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	11.3	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	47.9	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	8.52	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	143	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	9.21	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	8.81	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	418	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	2.43	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	190	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	9.27	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	2.02	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	54.8	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	20.8	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	17.7	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	22.2	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	14.3	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	571	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	6.38	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	6.09	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	6.38	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	6.09	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	17.7	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	16.7	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	190	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	13	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	6.48	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	19.9	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	17.4	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	69900	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	49.8	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	8.29	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	9.23	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	12.1	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	24.3	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	10.9	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	2.41	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	3.62	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	10.9	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	9.08	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	2.72	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	64.6	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	1.99	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	8.02	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	6.09	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	6.09	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	6.07	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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				Location ID	SIB-095-TOB	SIB-095-TOB	SIB-095-TOB	SIB-096-MLW	SIB-096-OHW	SIB-096-OHW	SIB-096-TOB	SIB-097-MLW
				Sample ID	SIB-095-TOB-0-1-10072022	SIB-095-TOB-1-2-10072022	SIB-095-TOB-2-3-10072022	SIB-096-MLW-0-1-10072022	SIB-096-OHW-0-1-10072022	SIB-096-OHW-1-2-10072022	SIB-096-TOB-0-1-10072022	SIB-097-MLW-0-1-10072022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	6.78	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	6.01	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	16	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	6.03	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	5.44	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	5.17	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	7.57	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	5.94	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	6.55	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	6.69	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	5.84	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	6.84	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	5.3	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	5.78	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	5.59	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	5.76	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	6.03	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	7.13	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	7.92	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	4.03	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	4.61	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	3.41	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	3.89	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	4.49	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	3.91	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	4.36	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	4.59	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	6.84	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	3.89	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	6.53	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	5.78	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	6.59	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	6.53	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	6.4	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	74200 J	70200 J	NA	NA	NA	NA	28300 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	2 U	NA	NA	2.2 U	1.9 U	NA	1.9 U	2.4 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	4.2 U	NA	NA	4.7 U	4.1 U	NA	4 U	5.2 U
ARSENIC	mg/kg	3	NE	NE	**3.555**	**3.81**	**3.09**	2.88	**28.5**	**16.4 J**	**3.18**	1.9
CADMIUM	mg/kg	0.51	NE	NE	0.325	0.34	0.24	0.08 J	0.27	0.17	0.26	0.06 J
COPPER	mg/kg	359	NE	NE	41.3 J	40.7	27.8	23.6 J	50 J	33.1	36.7 J	20.6
LEAD	mg/kg	196	NE	NE	21.65	23.3	13.5	38.1	28.9	16.9	23.1	15.7
ZINC	mg/kg	459	NE	NE	137	113	82.6	152	184	95.2	119	69.7
MERCURY	mg/kg	0.085	NE	NE	**0.187**	**0.248 J**	**0.141 J**	0.0588	0.0626	0.0551 J	0.0566	0.0354
Aroclor 1262	µg/kg	NE	NE	NE	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U

Attachment C.1 (continued)
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				Location ID	SIB-095-TOB	SIB-095-TOB	SIB-095-TOB	SIB-096-MLW	SIB-096-OHW	SIB-096-OHW	SIB-096-TOB	SIB-097-MLW
				Sample ID	SIB-095-TOB-0-1-10072022	SIB-095-TOB-1-2-10072022	SIB-095-TOB-2-3-10072022	SIB-096-MLW-0-1-10072022	SIB-096-OHW-0-1-10072022	SIB-096-OHW-1-2-10072022	SIB-096-TOB-0-1-10072022	SIB-097-MLW-0-1-10072022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	20.3 J	9.3	9.3	1.6 U	27.6 J	15.6	8.1	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	71.6	66.2	40.5	0.6 U	37.2 J	17.7	15.4	0.6 U
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	**114**	**80.1**	**54.4**	1.6 U	**87.2**	**37.9**	**28.1**	1.6 U
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	65.5 J	NA	NA	11 U	9.2 U	NA	9.2 U	12 U
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.4 U	NA	NA	0.44 U	0.39 U	NA	0.39 U	0.48 U
ACENAPHTHENE	µg/kg	NE	NE	NE	2.3 J	NA	NA	1.4 J	25	NA	1.7 J	0.8 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE	5.7	NA	NA	5.5 J	2.8 J	NA	1.8 J	0.72 J
ANTHRACENE	µg/kg	NE	NE	NE	4.55 J	NA	NA	8.4	30	NA	2.6 J	1.2 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	30	NA	NA	55	140	NA	24	0.3 U
BENZO(A)PYRENE	µg/kg	NE	NE	NE	54	NA	NA	57	160	NA	42	5.6 J
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	54.5	NA	NA	87	180	NA	53	4.1 J
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	37	NA	NA	42	70	NA	28	3.3 J
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	19.5	NA	NA	30	70	NA	19	1.4 J
CHRYSENE	µg/kg	NE	NE	NE	38.5	NA	NA	100	150	NA	34	2.9 J
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	4.6 J	NA	NA	7.3	19	NA	5.5	0.58 J
FLUORANTHENE	µg/kg	NE	NE	NE	52	NA	NA	200	220	NA	56	4.8 J
FLUORENE	µg/kg	NE	NE	NE	0.61 U	NA	NA	0.67 U	14	NA	0.59 U	0.74 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	41	NA	NA	52	100	NA	34	2.9 J
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.5 U	NA	NA	0.55 U	0.5 U	NA	0.49 U	0.61 U
PHENANTHRENE	µg/kg	NE	NE	NE	25.5	NA	NA	42	150	NA	26	5.3 J
PYRENE	µg/kg	NE	NE	NE	64.5	NA	NA	250	220	NA	55	4.7 J
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	434	NA	NA	938	1550	NA	383	39.4
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	71.4	NA	NA	84.1	222	NA	58.8	6.9 J
SOLIDS, PERCENT	%	NE	NE	NE	92.85	NA	NA	84.1	95.2	NA	96.8	74.2
TOTAL ORGANIC CARBON	%	NE	NE	NE	1.73	NA	NA	0.69	1.95	NA	1.48	0.19

Attachment C.1 (continued)
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					Location ID	SIB-097-OHW	SIB-097-OHW	SIB-097-TOB	SIB-097-TOB	SIB-098-MLW	SIB-098-OHW	SIB-098-OHW	SIB-098-OHW
					Sample ID	SIB-097-OHW-0-1-10072022	SIB-097-OHW-1-2-10072022	SIB-097-TOB-0-1-10072022	SIB-097-TOB-1-2-10072022	SIB-098-MLW-0-1-10072022	SIB-098-OHW-0-1-10072022	SIB-098-OHW-1-2-10072022	SIB-098-OHW-2-3-10072022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		6.8	NA	10	NA	0.48 U	36	NA	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.32 U	NA	0.28 U	NA	0.33 U	0.31 U	NA	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.18 U	NA	0.16 J	NA	0.92	0.18 U	NA	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.32 U	NA	0.3	NA	1.1	0.31 U	NA	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.4 U	NA	0.36 U	NA	0.42 U	0.39 U	NA	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.36 U	NA	0.32 U	NA	0.37 U	0.35 U	NA	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.4 U	NA	0.36 U	NA	0.42 U	0.39 U	NA	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.48 UJ	NA	0.42 UJ	NA	0.49 U	0.46 U	NA	NA
P,P'-DDT	µg/kg	NE	NE	NE		0.42 J	NA	0.96 J	NA	0.25 U	1.4	NA	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.66	NA	1.2	NA	0.49 U	1.6	NA	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		1.3	NA	1.8	NA	1.9	2.2	NA	NA
ALDRIN	µg/kg	2	NE	NE		0.4 U	NA	0.36 U	NA	0.42 U	0.39 U	NA	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.39 U	NA	0.35 U	NA	0.41 U	0.38 U	NA	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 UJ	NA	0.14 UJ	NA	0.17 UJ	0.16 UJ	NA	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.32 U	NA	0.46 J	NA	0.33 U	0.31 U	NA	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.33 U	NA	0.29 U	NA	0.34 U	0.32 U	NA	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.49 U	NA	0.44 U	NA	0.51 U	0.48 U	NA	NA
Oxychlordane	µg/kg	NE	NE	NE		0.66 U	NA	0.58 U	NA	0.68 U	0.64 U	NA	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.83 J	NA	1.5	NA	0.31 U	0.29 U	NA	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**1.7**	NA	**2.6**	NA	0.68 U	0.64 U	NA	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		59.5	50.6	59.5	119	7.9	23.6	19.4	0.762 UJ
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		333	209 J	265	619	41.1	265	126	16.1
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.8 J	2.62 J	4.11 J	8.11	0.681 J	1.74 J	0.993 J	1.04 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**8.63**	**5 J**	**9.71**	**15.6 J**	**1.17 J**	**3.45 J**	**2.91 J**	0.438 UJ
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.66 J	1.6 J	3.21 J	4.31 J	0.582 J	3.54 J	1.38 J	0.684 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.51 J	1.99 J	2.99 J	4.11 J	0.574 J	2.01 J	1.92 J	0.444 UJ
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		13.9	6.34	9.87	16.1	1.49 J	6.78	3.27 J	0.629 U
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.97 J	1.08 U	1.67 J	2.96 J	0.445 U	1.05 J	0.771 J	0.733 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5.55	3.01 J	4.53 J	6.37	1.27 J	4.82 J	2.1 J	0.654 U
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.42 J	4.33 J	2.07 J	5.2	0.944 J	2.19 J	1.16 J	0.519 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.59 J**	0.905 U	**1.48 J**	**1.92 J**	0.415 U	**2.13 J**	**1.15 J**	0.415 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.55 J	2.95 J	3.21 J	5.09	0.912 J	3.53 J	4.06 J	0.656 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**4.08 J**	**2.45 J**	**2.9 J**	**4.35 J**	**1.21 J**	**4.65 J**	**5.75**	**1.14 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**4.63 J**	**1.23**	**2.11**	**2.45 J**	0.626 U	1.23 U	0.85 U	0.485 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.445 J**	0.573 U	0.231 U	0.461 U	0.358 U	**0.515**	0.33 U	0.466 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		814 J	502	498 J	1280 J	83.2	566	262	34.2
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		113 J	78.5 J	102 J	188 J	16.4 J	57.9 J	65.5 J	10.9 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		97.5 J	45.7 J	61.8 J	107 J	11.1 J	62.7 J	27.8 J	3.84 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		148	119	164	335	17.4	58.9	59.6	6.76 J
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2750	2100	2510	6010 J	306	2000	1030	116
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		85.6 J	33.4 J	67.1 J	43.6 J	12.4 J	55 J	54.1 J	8.25 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		13.2 J	3.46 J	10.9 J	11.8 J	0.666 J	11.1 J	2.6 J	0.454 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		50	9.31	40.4 J	15.6	0.626 U	12.9	12.3	1.56 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.89 J	0.573 U	1.48 J	1.4	0.358 U	1.43 J	0.964 J	0.466 U

Attachment C.1 (continued)
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					Location ID	SIB-097-OHW	SIB-097-OHW	SIB-097-TOB	SIB-097-TOB	SIB-098-MLW	SIB-098-OHW	SIB-098-OHW	SIB-098-OHW
					Sample ID	SIB-097-OHW-0-1-10072022	SIB-097-OHW-1-2-10072022	SIB-097-TOB-0-1-10072022	SIB-097-TOB-1-2-10072022	SIB-098-MLW-0-1-10072022	SIB-098-OHW-0-1-10072022	SIB-098-OHW-1-2-10072022	SIB-098-OHW-2-3-10072022
TOTAL HpCDFs	pg/g	NE	NE	NE		234 J	182 J	246 J	511 J	25.3 J	81.5 J	73.3 J	8.54 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**12.8 J**	7.2 J	**10.3 J**	**18.7 J**	2 J	**10.2 J**	6.5 J	1.3 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	23.1	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	8.86	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	23.9	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	19.5	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	17.6	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	210	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	35.4	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	19.9	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	16.8	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	20.6	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	24.3	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	23.2	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	67.9	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	20.6	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	21.3	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	1100	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	295	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	200	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	962	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	671	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	38.6	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	89.8	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	258	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	380	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	2370	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	8.48	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	9.93	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	618	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	5.01	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	1370	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	5.34	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	5.15	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	42.6	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	249	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	44.5	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	8.57	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	482	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	213	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	3940	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	634	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	18.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	65.4	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	880	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-097-OHW	SIB-097-OHW	SIB-097-TOB	SIB-097-TOB	SIB-098-MLW	SIB-098-OHW	SIB-098-OHW	SIB-098-OHW
					Sample ID	SIB-097-OHW-0-1-10072022	SIB-097-OHW-1-2-10072022	SIB-097-TOB-0-1-10072022	SIB-097-TOB-1-2-10072022	SIB-098-MLW-0-1-10072022	SIB-098-OHW-0-1-10072022	SIB-098-OHW-1-2-10072022	SIB-098-OHW-2-3-10072022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	109	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	181	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	119	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	41.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	483	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	512	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	12.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	13.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	92.8	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	8.92	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	1910	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	6.35	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	6.03	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	6.77	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	2930	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	33.5	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	5.22	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	346	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	278	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	9.28	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	278	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	9.28	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	8.21	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	8.94	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	9.22	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	222	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	9.57	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	11.4	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	363	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	34.7	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	103	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	565	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	268	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	241	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	91.8	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	713	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	61	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	132	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	446	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.4	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	29.6	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	152	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	58.7	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	14.1	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	63.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	207	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	304	NA	NA	NA	NA

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					Location ID	SIB-097-OHW	SIB-097-OHW	SIB-097-TOB	SIB-097-TOB	SIB-098-MLW	SIB-098-OHW	SIB-098-OHW	SIB-098-OHW
					Sample ID	SIB-097-OHW-0-1-10072022	SIB-097-OHW-1-2-10072022	SIB-097-TOB-0-1-10072022	SIB-097-TOB-1-2-10072022	SIB-098-MLW-0-1-10072022	SIB-098-OHW-0-1-10072022	SIB-098-OHW-1-2-10072022	SIB-098-OHW-2-3-10072022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	600	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	11.7	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	90.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	9.09	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	138	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	9.53	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	8.96	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	430	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.76	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	457	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	9.89	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.09	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	273	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	53.1	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	16.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	21.2	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	67.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	1270	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.08	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	6.33	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.08	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	6.33	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	16.1	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	27.1	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	656	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	7.88	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	6.89	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	21.9	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	18.2	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	31000	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	119	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	14.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	10.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	16.1	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	48.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	13.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.86	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	6.83	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	33.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	11.1	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	6.79	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	104	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	24.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	11.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	12.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	12.7	NA	NA	NA	NA

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				Location ID	SIB-097-OHW	SIB-097-OHW	SIB-097-TOB	SIB-097-TOB	SIB-098-MLW	SIB-098-OHW	SIB-098-OHW	SIB-098-OHW
				Sample ID	SIB-097-OHW-0-1-10072022	SIB-097-OHW-1-2-10072022	SIB-097-TOB-0-1-10072022	SIB-097-TOB-1-2-10072022	SIB-098-MLW-0-1-10072022	SIB-098-OHW-0-1-10072022	SIB-098-OHW-1-2-10072022	SIB-098-OHW-2-3-10072022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	8.69	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	12.9	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	49.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	12.3	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	11	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	10.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	19.2	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	12.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	8.11	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	16.4	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	12.8	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	15.6	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	11.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	14.8	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	10.9	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	11.9	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	14.1	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	11.7	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	31.2	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	9.97	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	11.2	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	7.37	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	8.27	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	10	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	8.59	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	9.63	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	9.22	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	27.6	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	7.98	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	11.5	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	8.71	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	22.1	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	9.61	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	9.8	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	NA	NA	31300 J	5120 J	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	2 U	NA	1.9 U	NA	2.1 U	19 U	NA	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	4.2 U	NA	4.1 U	NA	4.4 U	40 U	NA	NA
ARSENIC	mg/kg	3	NE	NE	**3.67**	2.91 J	**3.86**	**3.69 J**	**4.52**	1.77	NA	NA
CADMIUM	mg/kg	0.51	NE	NE	0.28	0.16	0.37	0.44	0.04 J	0.17	NA	NA
COPPER	mg/kg	359	NE	NE	45.6	32.2	52.3 J	59.3	14.2	41.1	NA	NA
LEAD	mg/kg	196	NE	NE	28.2	14.4	32.4	31	6.1	26.3	NA	NA
ZINC	mg/kg	459	NE	NE	128	83.1	139	167	41.2	106	NA	NA
MERCURY	mg/kg	0.085	NE	NE	0.067	0.0521 J	0.08	**0.0854 J**	0.0278	0.0414	NA	NA
Aroclor 1262	µg/kg	NE	NE	NE	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-097-OHW	SIB-097-OHW	SIB-097-TOB	SIB-097-TOB	SIB-098-MLW	SIB-098-OHW	SIB-098-OHW	SIB-098-OHW
					Sample ID	SIB-097-OHW-0-1-10072022	SIB-097-OHW-1-2-10072022	SIB-097-TOB-0-1-10072022	SIB-097-TOB-1-2-10072022	SIB-098-MLW-0-1-10072022	SIB-098-OHW-0-1-10072022	SIB-098-OHW-1-2-10072022	SIB-098-OHW-2-3-10072022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		25.8	7.5	35	28.9	1.6 U	21.8	5.8	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		36.8	22.4	29.4	33.4	7.1	27.7	10.5	5.4
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**85**	**34.5**	**86.8**	**66.9**	**12.5**	**71.9**	**20.9**	**10.8**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		59 J	NA	**1500**	**190**	9.9 UJ	8.9 U	95 J	8.9 U
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.4 U	NA	0.39 U	NA	0.41 U	3.7 U	NA	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		2.5 J	NA	8.2	NA	1.1 J	5.4 J	NA	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		2.2 J	NA	4.3 J	NA	1 J	3.1 J	NA	NA
ANTHRACENE	µg/kg	NE	NE	NE		5.2 J	NA	7.7	NA	2.2 J	7.3 J	NA	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		45	NA	74	NA	3.5 J	84	NA	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		74	NA	110	NA	5.8	140	NA	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		99	NA	130	NA	6	210	NA	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		51	NA	66	NA	4.4 J	100	NA	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		34	NA	46	NA	2.2 J	77	NA	NA
CHRYSENE	µg/kg	NE	NE	NE		61	NA	95	NA	4.1 J	150	NA	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		10	NA	14	NA	0.65 J	23 J	NA	NA
FLUORANTHENE	µg/kg	NE	NE	NE		92	NA	140	NA	7.7	310	NA	NA
FLUORENE	µg/kg	NE	NE	NE		0.61 U	NA	0.6 U	NA	0.63 U	5.7 U	NA	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		63	NA	83	NA	4 J	110	NA	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.51 U	NA	0.49 U	NA	0.52 U	4.7 U	NA	NA
PHENANTHRENE	µg/kg	NE	NE	NE		35	NA	59	NA	5.3 J	120	NA	NA
PYRENE	µg/kg	NE	NE	NE		90	NA	150	NA	7.5	250	NA	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		665	NA	988	NA	56.2	1600	NA	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		105	NA	153	NA	7.8 J	204 J	NA	NA
SOLIDS, PERCENT	%	NE	NE	NE		93.2	NA	95.8	94	88	97.5	96.8	96.9
TOTAL ORGANIC CARBON	%	NE	NE	NE		1.9	NA	2.06	NA	0.11	1.4	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-098-TOB	SIB-098-TOB	SIB-098-TOB	SIB-099-MLW	SIB-099-OHW	SIB-099-OHW	SIB-099-TOB	SIB-099-TOB
					Sample ID	SIB-098-TOB-0-1-10072022	SIB-098-TOB-1-2-10072022	SIB-098-TOB-2-3-10072022	SIB-099-MLW-0-1-10072022	SIB-099-OHW-0-1-10072022	SIB-099-OHW-1-2-10072022	SIB-099-TOB-0-1-10072022	SIB-099-TOB-1-2-10072022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		16	NA	NA	0.48 U	34	NA	11	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.31 U	NA	NA	0.33 U	0.29 U	NA	0.29 U	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.28 J	NA	NA	0.19 U	0.17 U	NA	0.42 J	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.44	NA	NA	0.33 U	0.29 U	NA	0.57	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.39 U	NA	NA	0.42 U	0.37 U	NA	0.36 U	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.35 U	NA	NA	0.37 U	0.33 U	NA	0.32 U	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.39 U	NA	NA	0.42 U	0.37 U	NA	0.36 U	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.46 UJ	NA	NA	0.49 U	0.44 U	NA	0.43 U	NA
P,P'-DDT	µg/kg	NE	NE	NE		1.5 J	NA	NA	0.25 U	0.54	NA	2.5	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		1.7	NA	NA	0.49 U	0.76	NA	2.7	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		2.5	NA	NA	0.49 U	1.3	NA	3.6	NA
ALDRIN	µg/kg	2	NE	NE		0.39 U	NA	NA	0.42 U	0.37 U	NA	0.36 U	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.38 U	NA	NA	0.41 U	0.36 U	NA	0.35 U	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 UJ	NA	NA	0.17 UJ	0.15 UJ	NA	0.14 UJ	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.31 U	NA	NA	0.33 U	0.29 U	NA	0.28 U	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.32 U	NA	NA	0.34 U	0.3 U	NA	0.29 U	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.48 U	NA	NA	0.51 U	0.45 U	NA	0.44 U	NA
Oxychlordane	µg/kg	NE	NE	NE		0.64 U	NA	NA	0.68 U	0.6 U	NA	0.59 U	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.29 U	NA	NA	0.31 U	0.27 U	NA	0.29 J	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.64 U	NA	NA	0.68 U	0.6 U	NA	1.1	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		35.1	37.1	50.1	3.7 J	22.5	7.95	13.9	12.2
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		94.9	83.8	81.3	57.1	688	260	92.1	24.8
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.74 J	1.4 J	1.87 J	0.47 U	1.58 J	0.615 J	0.862 J	0.619 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**4.23 J**	**3.1 J**	**3.18 J**	0.192 UJ	**3.99 J**	**1.39 J**	**2.43 J**	**1.33 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.2 J	0.628 J	0.754 J	0.739 J	7.01	2.28 J	0.986 J	0.392 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.38 J	1.93 J	2.8 J	0.279 J	1.39 J	0.505 J	1.05 J	0.639 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.1 J	2.79 J	3.39 J	1.55 J	11.7	3.94 J	2.48 J	0.893 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.752 J	0.628 U	0.683 J	0.291 U	0.725 J	0.326 J	0.269 J	0.197 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.15 J	1.19 J	1.48 J	1.03 J	8.83	3 J	1.76 J	0.645 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		8	4.93	5.77	0.279 U	1.09 J	0.849 J	1.08 J	1.35 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.06 J**	0.562 U	**0.695 J**	**0.391 J**	**4.39**	**1.74 J**	**0.716 J**	**0.374 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.13 J	1.85 J	2.31 J	0.204 U	1.47 J	0.179 U	0.89 J	0.772 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**2.68 J**	**1.94 J**	**2.9 J**	**0.362 J**	**1.49 J**	**0.549 J**	**1.17 J**	**0.879 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**2.39 J**	0.725 UJ	0.468 U	0.214 U	0.259 U	0.217 U	**0.916 J**	0.334 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.387 U	0.455 U	0.207 U	0.146 U	**0.826**	**0.328 J**	**0.215 J**	0.175 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		205	201 J	176	126	1480	570	189	51.4
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		51.7 J	45.3 J	57.1 J	6.63 J	38.6 J	13.2 J	21.4 J	15.3 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		37 J	23.4 J	29.1 J	15.1 J	121 J	41.7 J	21.1 J	7.92 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		63.5	68.2	81.1	11.1	68.8	27.1	29.8	16.5
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		918	1060	1020	417	5140 J	2080	741	230
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		47.4 J	31.8 J	48.1 J	4.96 J	23.1 J	5.52 J	26.1 J	12.3 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		9.19 J	6.35 J	8.51 J	1.51 J	16.8 J	5.82 J	5.54 J	1.96 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		14 J	10.2 J	21.1 J	1.61 J	7.58 J	0.921 J	21.9 J	4.86 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.49	1.46	2.22 J	0.146 U	2.48 J	0.75 J	1.16 J	0.576 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-098-TOB	SIB-098-TOB	SIB-098-TOB	SIB-099-MLW	SIB-099-OHW	SIB-099-OHW	SIB-099-TOB	SIB-099-TOB
					Sample ID	SIB-098-TOB-0-1-10072022	SIB-098-TOB-1-2-10072022	SIB-098-TOB-2-3-10072022	SIB-099-MLW-0-1-10072022	SIB-099-OHW-0-1-10072022	SIB-099-OHW-1-2-10072022	SIB-099-TOB-0-1-10072022	SIB-099-TOB-1-2-10072022
TOTAL HpCDFs	pg/g	NE	NE	NE		105 J	104 J	133 J	13.2 J	95.9 J	29.7 J	44.4 J	30.7 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		5.9 J	4 J	5 J	1.7 J	**17.9 J**	6.7 J	3.7 J	1.7 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	19.4	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	9.41	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	19.2	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	8.05	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	7.64	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	516	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	33.6	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	16.7	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	21.4	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	17.2	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	20.4	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	20.1	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	20	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	17.2	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	17.9	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	1550	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	535	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	291	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	1620	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	1210	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	72.7	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	171	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	632	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	930	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	3580	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	20.3	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	18.7	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	1100	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	3.81	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	2870	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	4.06	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	16.8	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	58.1	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	340	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	59.1	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	9.45	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	1060	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	502	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	7410	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	1860	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	82.7	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	282	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	2150	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-098-TOB	SIB-098-TOB	SIB-098-TOB	SIB-099-MLW	SIB-099-OHW	SIB-099-OHW	SIB-099-TOB	SIB-099-TOB
					Sample ID	SIB-098-TOB-0-1-10072022	SIB-098-TOB-1-2-10072022	SIB-098-TOB-2-3-10072022	SIB-099-MLW-0-1-10072022	SIB-099-OHW-0-1-10072022	SIB-099-OHW-1-2-10072022	SIB-099-TOB-0-1-10072022	SIB-099-TOB-1-2-10072022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	354	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	641	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	327	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	158	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	656	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	1080	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	20.4	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	23.1	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	201	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	78.3	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	5440	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	3.05	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	21.4	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	3.26	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	5390	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	232	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	2.56	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	674	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	588	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	13.6	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	588	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	13.6	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	15.4	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	14.9	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	15.3	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	497	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	15.9	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	16.4	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	544	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	67	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	185	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	857	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	479	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	366	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	176	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	1140	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	138	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	244	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	700	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	4.02	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	52.9	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	249	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	488	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	238	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	935	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	628	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	2570	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-098-TOB	SIB-098-TOB	SIB-098-TOB	SIB-099-MLW	SIB-099-OHW	SIB-099-OHW	SIB-099-TOB	SIB-099-TOB
					Sample ID	SIB-098-TOB-0-1-10072022	SIB-098-TOB-1-2-10072022	SIB-098-TOB-2-3-10072022	SIB-099-MLW-0-1-10072022	SIB-099-OHW-0-1-10072022	SIB-099-OHW-1-2-10072022	SIB-099-TOB-0-1-10072022	SIB-099-TOB-1-2-10072022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	3760	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	29	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	530	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	75.7	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	736	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	21.2	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	35.7	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	3670	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	16.2	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	1670	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	25.1	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	1.93	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	1350	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	152	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	13.5	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	64.8	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	200	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	5160	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	15.8	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	14.1	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	15.8	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	14.1	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	94.9	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	53.4	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	3560	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	17.5	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	15.3	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	18.8	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	15.2	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	82800	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	1670	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	94.9	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	42.1	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	33.7	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	700	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	47	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	10.8	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	22	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	327	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	33.2	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	33.9	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	2060	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	2.62	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	164	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	11.6	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	13	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	13.2	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-098-TOB	SIB-098-TOB	SIB-098-TOB	SIB-099-MLW	SIB-099-OHW	SIB-099-OHW	SIB-099-TOB	SIB-099-TOB
					Sample ID	SIB-098-TOB-0-1-10072022	SIB-098-TOB-1-2-10072022	SIB-098-TOB-2-3-10072022	SIB-099-MLW-0-1-10072022	SIB-099-OHW-0-1-10072022	SIB-099-OHW-1-2-10072022	SIB-099-TOB-0-1-10072022	SIB-099-TOB-1-2-10072022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	18.2	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	60.8	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	401	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	14.6	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	11.4	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	11.1	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	190	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	13	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	26.7	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	16.8	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	25	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	16.2	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	12	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	14.8	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	17.1	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	22.1	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	49.3	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	11.1	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	65.4	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	20.1	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	38.2	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	6.91	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	7.09	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	8.59	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	13	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	8.26	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	7.91	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	70.6	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	12	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	12.7	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	9.67	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	21.4	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	10.7	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	10.9	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	83200 J	NA	10500 J	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		1.9 U	NA	NA	2.1 U	1.9 U	NA	1.9 U	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		4.1 U	NA	NA	4.4 U	4.1 U	NA	4 U	NA
ARSENIC	mg/kg	3	NE	NE		**3.59**	**3.74 J**	**3.75 J**	**3.44**	1.53	NA	2.99	NA
CADMIUM	mg/kg	0.51	NE	NE		0.2	0.15	0.15	0.1 J	0.16	NA	0.18	NA
COPPER	mg/kg	359	NE	NE		43.7	36.9	43.8	13.4	37.3	NA	28.9	NA
LEAD	mg/kg	196	NE	NE		23	18.6	24.7	4.51	13.4	NA	15	NA
ZINC	mg/kg	459	NE	NE		106	82.3	86.8	50.2	91.8	NA	95.9	NA
MERCURY	mg/kg	0.085	NE	NE		**0.322**	**0.0938 J**	0.0318 J	0.0189 J	0.0236	NA	0.0549	NA
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

				Location ID	SIB-098-TOB	SIB-098-TOB	SIB-098-TOB	SIB-099-MLW	SIB-099-OHW	SIB-099-OHW	SIB-099-TOB	SIB-099-TOB
				Sample ID	SIB-098-TOB-0-1-10072022	SIB-098-TOB-1-2-10072022	SIB-098-TOB-2-3-10072022	SIB-099-MLW-0-1-10072022	SIB-099-OHW-0-1-10072022	SIB-099-OHW-1-2-10072022	SIB-099-TOB-0-1-10072022	SIB-099-TOB-1-2-10072022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	4.5	1.6 U	1.6 U	1.6 U	5.4	1.6 U	7.5	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	8	14	37.5	2.2 J	9.4	1.6 U	13.7	4.4
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	10.1	28.8	41.2	3.4 J	9.6	0.6 U	9.7	7
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	**26.4**	**47.4**	**83.3**	**10.2**	**28.2**	1.6 U	**34.7**	**16**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	9.2 U	NA	NA	9.9 UJ	8.9 U	33 J	8.9 U	25 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.39 U	NA	NA	0.42 U	0.37 U	NA	0.37 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE	2.8 J	NA	NA	0.67 J	3.5 J	NA	1.9 J	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE	7.7	NA	NA	0.76 J	2.3 J	NA	1.6 J	NA
ANTHRACENE	µg/kg	NE	NE	NE	11	NA	NA	1.1 J	6	NA	2.9 J	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	50	NA	NA	8.2	53	NA	23	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE	73	NA	NA	12	78	NA	40	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	87	NA	NA	18	150	NA	55	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	48	NA	NA	8.9	56	NA	28	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	32	NA	NA	7.1	49	NA	19	NA
CHRYSENE	µg/kg	NE	NE	NE	66	NA	NA	15	100	NA	38	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	9.5	NA	NA	1.2 J	12	NA	5.5	NA
FLUORANTHENE	µg/kg	NE	NE	NE	100	NA	NA	26	160	NA	61	NA
FLUORENE	µg/kg	NE	NE	NE	0.6 U	NA	NA	0.65 U	0.57 U	NA	0.57 U	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	60	NA	NA	10	70	NA	32	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.49 U	NA	NA	0.53 U	0.47 U	NA	0.47 U	NA
PHENANTHRENE	µg/kg	NE	NE	NE	50	NA	NA	10	68	NA	26	NA
PYRENE	µg/kg	NE	NE	NE	110	NA	NA	24	150	NA	56	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	708	NA	NA	144	959	NA	391	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	103	NA	NA	16.9 J	118	NA	56.7	NA
SOLIDS, PERCENT	%	NE	NE	NE	96.3	NA	NA	87.9	96	97.5	98.7	97.2
TOTAL ORGANIC CARBON	%	NE	NE	NE	1.15	NA	NA	0.12	0.49	NA	1.32	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-099-TOB	SIB-100-MLW	SIB-100-OHW	SIB-100-OHW	SIB-100-OHW	SIB-100-TOB	SIB-100-TOB	SIB-100-TOB
					Sample ID	SIB-099-TOB-2-3-10072022	SIB-100-MLW-0-1-10062022	SIB-100-OHW-0-1-10062022	SIB-100-OHW-1-2-10062022	SIB-100-OHW-2-3-10062022	SIB-100-TOB-0-1-10062022	SIB-100-TOB-1-2-10062022	SIB-100-TOB-2-3-10062022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	0.5 U	3.3	NA	NA	26	NA	NA
2,4'-DDD	µg/kg	NE	NE	NE		NA	0.34 U	0.3 U	0.26 U	0.26 U	0.32 U	NA	NA
P,P'-DDD	µg/kg	NE	NE	NE		NA	0.19 U	0.41 J	0.15 U	0.15 U	0.18 U	NA	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	0.34 U	0.56	0.26 U	0.26 U	0.32 U	NA	NA
O,P'-DDE	µg/kg	NE	NE	NE		NA	0.43 U	0.37 U	0.33 U	0.33 U	0.4 U	NA	NA
P,P'-DDE	µg/kg	NE	NE	NE		NA	0.38 U	0.35 J	0.29 U	0.29 U	0.36 U	NA	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	0.43 U	0.54	0.33 U	0.33 U	0.4 U	NA	NA
O,P'-DDT	µg/kg	NE	NE	NE		NA	0.51 U	0.85	0.39 U	0.39 U	0.48 U	NA	NA
P,P'-DDT	µg/kg	NE	NE	NE		NA	0.26 U	9.1	0.63	0.2 U	1.5	NA	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	0.51 U	9.9	0.83	0.39 U	1.7	NA	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	0.51 U	**11**	1.3	0.39 U	2.4	NA	NA
ALDRIN	µg/kg	2	NE	NE		NA	0.43 U	0.37 U	0.33 U	0.33 U	0.4 U	NA	NA
DIELDRIN	µg/kg	0.07	NE	NE		NA	0.42 U	0.36 U	0.32 U	0.32 U	0.39 U	NA	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	0.17 UJ	0.15 UJ	0.13 U	0.13 U	0.16 UJ	NA	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.34 U	0.29 U	0.26 U	0.26 U	0.32 U	NA	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	0.35 U	0.3 U	0.27 U	0.27 U	0.33 U	NA	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.53 U	0.46 U	0.4 U	0.4 U	0.49 U	NA	NA
Oxychlordane	µg/kg	NE	NE	NE		NA	0.7 U	0.61 U	0.54 U	0.54 U	0.66 U	NA	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	0.32 U	0.28 U	0.24 U	0.24 U	0.3 U	NA	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	0.7 U	0.61 U	0.54 U	0.54 U	0.66 U	NA	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		17.7	3.52 J	15.5	2.3 J	0.0758 U	6.15	5.63	5.34
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		39.8	22.8	39.9	9.39	2.24 J	54.6	46	42
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.865 J	0.423 U	1.78 J	0.195 J	0.101 U	0.489 J	0.495 J	0.464 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**2 J**	0.222 U	**4.87 J**	0.0819 U	0.0791 UJ	**2.33 J**	**1.63 J**	**1.63 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.479 J	0.344 U	1.08 J	0.155 J	0.0891 U	0.805 J	0.54 J	0.496 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.68 J	0.272 J	13.5	0.697 J	0.0764 UJ	0.453 J	0.14 U	0.143 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.28 J	0.781 J	3.01 J	0.351 J	0.134 J	1.93 J	1.39 J	1.56 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.542 J	0.326 U	2.98 J	0.265 J	0.101 U	0.254 U	0.197 U	0.215 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.833 J	0.523 J	1.88 J	0.355 J	0.179 J	1.26 J	1.1 J	1.09 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.96 J	0.254 U	2.37 J	0.133 U	0.0915 U	0.831 J	2.93 J	2.92 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**0.469 J**	0.292 U	**1.16 J**	0.155 U	0.126 U	**0.595 J**	**0.495 J**	**0.442 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.47 J	0.224 UJ	23.8	1.82 J	0.0857 UJ	0.178 U	0.158 U	0.145 U
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**6.22**	**0.627 J**	**50.7**	**2.73 J**	**0.401 J**	**0.489 J**	0.281 U	**0.43 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.408 U	0.248 U	**1.23**	0.199 U	0.168 UJ	0.177 UJ	0.289 U	0.291 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.155 U	0.218 U	0.113 U	0.128 U	0.115 U	0.13 U	0.147 U	0.169 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		81.2	46.4	81.8	19.5	4.99 J	104	88.9	80.5
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		51.2 J	8.83 J	315 J	23.1 J	3.01 J	11.4 J	9.51 J	9.36 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		12.6 J	5.39 J	32.9 J	4.23 J	1.53 J	14.4 J	12.1 J	11.8 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		23.3	6.34 J	14.3	2.74 J	0.255 U	31.7	16.8	12.7
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		395	169	243	71.8	17.9	562	431	377
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		61.3 J	7.03 J	698 J	23.6 J	3.39 J	18.3 J	8.16 J	10.2 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		4.03 J	0.292 U	15.2 J	0.281 J	0.126 U	3.12 J	2.99 J	2.33 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		20.1 J	0.661 J	493 J	4.54 J	0.913 J	8.07 J	1.86 J	1.82 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.974 J	0.218 U	2.32 J	0.128 U	0.115 U	0.13 U	0.621 J	0.299 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-099-TOB	SIB-100-MLW	SIB-100-OHW	SIB-100-OHW	SIB-100-OHW	SIB-100-TOB	SIB-100-TOB	SIB-100-TOB
					Sample ID	SIB-099-TOB-2-3-10072022	SIB-100-MLW-0-1-10062022	SIB-100-OHW-0-1-10062022	SIB-100-OHW-1-2-10062022	SIB-100-OHW-2-3-10062022	SIB-100-TOB-0-1-10062022	SIB-100-TOB-1-2-10062022	SIB-100-TOB-2-3-10062022
TOTAL HpCDFs	pg/g	NE	NE	NE		44.1 J	10.6 J	45.6 J	6.14 J	1.83 J	23.7 J	19 J	17.9 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		4.2 J	0.99 J	**22.4 J**	1.5 J	0.33 J	2.3 J	1.9 J	1.9 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	17.1	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	5.96	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	17.4	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	6.91	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	7.94	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	21.7	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	29.6	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	14.7	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	12.5	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	15.2	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	18	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	18.7	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	49.1	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	15.2	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	15.8	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	27.2	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	9.06	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	9.59	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	23.1	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	15.5	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	3.97	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	5.41	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	9.57	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	52.7	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.71	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	8.27	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	18.2	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.65	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	41.4	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.82	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.8	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	3.99	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	7.22	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	6.85	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	7.15	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	11.4	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	15.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	59.5	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	18.6	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	15.2	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	15.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	15.9	NA	NA	NA	NA

Attachment C.1 (continued)
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Portland, Oregon

					Location ID	SIB-099-TOB	SIB-100-MLW	SIB-100-OHW	SIB-100-OHW	SIB-100-OHW	SIB-100-TOB	SIB-100-TOB	SIB-100-TOB
					Sample ID	SIB-099-TOB-2-3-10072022	SIB-100-MLW-0-1-10062022	SIB-100-OHW-0-1-10062022	SIB-100-OHW-1-2-10062022	SIB-100-OHW-2-3-10062022	SIB-100-TOB-0-1-10062022	SIB-100-TOB-1-2-10062022	SIB-100-TOB-2-3-10062022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	15.8	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	7.3	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	14.2	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	11.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	12.2	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	11.8	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	13.8	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	15.7	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	3.61	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.45	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	43.9	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.43	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.31	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.59	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	28.2	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.72	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.11	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	7.26	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	9.02	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	3.57	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	9.02	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	3.57	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	3.16	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	10.1	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	10.4	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	9.08	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	10.8	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	4.36	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	27.6	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	6.67	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	7.42	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	28.7	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	11.5	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	8.67	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	4.88	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	33.8	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.49	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	7.7	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	21.4	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	3.59	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	4.24	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	4.76	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	9.55	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	11.8	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	8.11	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	6.71	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	22.2	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-099-TOB	SIB-100-MLW	SIB-100-OHW	SIB-100-OHW	SIB-100-OHW	SIB-100-TOB	SIB-100-TOB	SIB-100-TOB
					Sample ID	SIB-099-TOB-2-3-10072022	SIB-100-MLW-0-1-10062022	SIB-100-OHW-0-1-10062022	SIB-100-OHW-1-2-10062022	SIB-100-OHW-2-3-10062022	SIB-100-TOB-0-1-10062022	SIB-100-TOB-1-2-10062022	SIB-100-TOB-2-3-10062022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	30.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	9.77	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	8.37	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	7.6	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	9.28	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	7.98	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	7.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	30.3	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.7	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	12.9	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	8.27	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.23	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	9.32	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	5.15	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	5.39	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	7.05	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	4.4	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	44.5	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	5.92	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	5.29	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	5.35	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	4.68	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	27.4	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	6.59	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	5.76	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	7.46	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	6.06	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	876	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	18.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	5.98	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	6.32	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	9.73	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	12.5	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	8.19	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	2.68	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	2.72	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	6.28	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	6.69	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	2.63	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	22	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	1.7	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	4.74	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	3.63	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	4.07	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	4.13	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-099-TOB	SIB-100-MLW	SIB-100-OHW	SIB-100-OHW	SIB-100-OHW	SIB-100-TOB	SIB-100-TOB	SIB-100-TOB
					Sample ID	SIB-099-TOB-2-3-10072022	SIB-100-MLW-0-1-10062022	SIB-100-OHW-0-1-10062022	SIB-100-OHW-1-2-10062022	SIB-100-OHW-2-3-10062022	SIB-100-TOB-0-1-10062022	SIB-100-TOB-1-2-10062022	SIB-100-TOB-2-3-10062022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	5.25	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	4.18	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	9.91	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	3.99	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	3.55	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	3.47	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	4.82	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	4.07	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	4.9	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	5.33	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	4.17	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	5.07	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	3.75	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	4.7	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	6.81	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	7.44	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	6.38	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	7.36	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	7.13	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	5.29	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	7.13	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	5.29	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	4.99	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	4.6	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	5.17	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	6.26	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	5.37	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	6	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	5.76	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	5.63	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	4.97	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	6.59	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	5.01	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	6.28	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	5.53	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	5.63	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	984 J	NA	11400 J	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	2.2 U	19 U	NA	NA	1.9 U	NA	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	4.7 U	410 J	NA	NA	4 U	NA	NA
ARSENIC	mg/kg	3	NE	NE		NA	**7.84**	2.25	NA	NA	1.82	NA	NA
CADMIUM	mg/kg	0.51	NE	NE		NA	0.05 J	0.1	NA	NA	0.14	NA	NA
COPPER	mg/kg	359	NE	NE		NA	13.9	23.6	NA	NA	25.8	NA	NA
LEAD	mg/kg	196	NE	NE		NA	3.98	19.7	NA	NA	11.4	NA	NA
ZINC	mg/kg	459	NE	NE		NA	50.5	71.1	NA	NA	85	NA	NA
MERCURY	mg/kg	0.085	NE	NE		NA	0.0229 J	0.0342	NA	NA	0.0286	NA	NA
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U

Attachment C.1 (continued)
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					Location ID	SIB-099-TOB	SIB-100-MLW	SIB-100-OHW	SIB-100-OHW	SIB-100-OHW	SIB-100-TOB	SIB-100-TOB	SIB-100-TOB
					Sample ID	SIB-099-TOB-2-3-10072022	SIB-100-MLW-0-1-10062022	SIB-100-OHW-0-1-10062022	SIB-100-OHW-1-2-10062022	SIB-100-OHW-2-3-10062022	SIB-100-TOB-0-1-10062022	SIB-100-TOB-1-2-10062022	SIB-100-TOB-2-3-10062022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	11.2	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		7.8 U	1.6 U	15.2 J	2.4 J	1.6 U	8.2	15.1	4.9
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		16.3 J	1.9 J	21	4.2	0.6 U	5.9	8.8	6.9
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**42.6**	7.3	**58.6**	**11.2**	1.6 U	**18.7**	**38.9**	**16.4**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		91 U	11 U	9.1 U	34 J	9.2 U	9.1 U	74 J	50 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	0.42 U	3.7 U	NA	NA	0.37 U	NA	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	0.34 U	3 U	NA	NA	0.96 J	NA	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	0.37 J	2.8 U	NA	NA	0.71 J	NA	NA
ANTHRACENE	µg/kg	NE	NE	NE		NA	0.38 J	2.9 U	NA	NA	1.8 J	NA	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	2.5 J	2.3 U	NA	NA	18	NA	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	6.2	31 J	NA	NA	31	NA	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	7.7	28 J	NA	NA	36	NA	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	5.7	24 J	NA	NA	17	NA	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	1.8 J	7.6 J	NA	NA	14	NA	NA
CHRYSENE	µg/kg	NE	NE	NE		NA	3.6 J	15 J	NA	NA	24	NA	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	1.3 J	3.9 J	NA	NA	3.7 J	NA	NA
FLUORANTHENE	µg/kg	NE	NE	NE		NA	5.9	24 J	NA	NA	36	NA	NA
FLUORENE	µg/kg	NE	NE	NE		NA	0.64 U	5.7 U	NA	NA	0.57 U	NA	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	3.4 J	18 J	NA	NA	21	NA	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	0.53 U	4.7 U	NA	NA	0.47 U	NA	NA
PHENANTHRENE	µg/kg	NE	NE	NE		NA	2.6 J	11 J	NA	NA	13	NA	NA
PYRENE	µg/kg	NE	NE	NE		NA	5.7	24 J	NA	NA	35	NA	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	48.1	199	NA	NA	253	NA	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	8.9 J	39.7 J	NA	NA	42.4 J	NA	NA
SOLIDS, PERCENT	%	NE	NE	NE		96.9	82.8	97.7	95.5	95.4	96.3	96.1	96.1
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	0.27	0.83	NA	NA	1.54	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-101-MLW	SIB-101-OHW	SIB-101-OHW	SIB-101-OHW	SIB-101-TOB	SIB-101-TOB	SIB-102-MLW	SIB-102-MLW
					Sample ID	SIB-101-MLW-0-1-10062022	SIB-101-OHW-0-1-10062022	SIB-101-OHW-1-2-10062022	SIB-101-OHW-2-3-10062022	SIB-101-TOB-0-1-10062022	SIB-101-TOB-1-2-10062022	SIB-102-MLW-0-1-10062022	SIB-102-MLW-1-2-10062022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		4.9	0.53 J	NA	NA	26	NA	0.57 U	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.37 U	0.29 U	NA	NA	0.3 U	NA	0.39 U	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.21 U	0.16 U	NA	NA	0.17 U	NA	0.22 U	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.37 U	0.29 U	NA	NA	0.3 U	NA	0.39 U	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.46 U	0.36 U	NA	NA	0.37 U	NA	0.49 U	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.41 U	0.32 U	NA	NA	0.33 U	NA	0.43 U	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.46 U	0.36 U	NA	NA	0.37 U	NA	0.49 U	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.54 U	0.43 U	NA	NA	0.44 U	NA	0.58 U	NA
P,P'-DDT	µg/kg	NE	NE	NE		0.27 U	0.22 U	NA	NA	0.67	NA	0.29 U	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.54 U	0.43 U	NA	NA	0.89	NA	0.58 U	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.54 U	0.43 U	NA	NA	1.5	NA	0.58 U	NA
ALDRIN	µg/kg	2	NE	NE		0.46 U	0.36 U	NA	NA	0.37 U	NA	0.49 U	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.45 U	0.36 U	NA	NA	0.36 U	NA	0.48 U	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.18 UJ	0.15 UJ	NA	NA	0.15 UJ	NA	0.19 UJ	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.36 U	0.29 U	NA	NA	0.29 U	NA	0.38 U	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.37 U	0.3 U	NA	NA	0.3 U	NA	0.4 U	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.56 U	0.45 U	NA	NA	0.45 U	NA	0.6 U	NA
Oxychlordane	µg/kg	NE	NE	NE		0.75 U	0.6 U	NA	NA	0.61 U	NA	0.8 U	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.34 U	0.27 U	NA	NA	0.27 U	NA	0.36 U	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.75 U	0.6 U	NA	NA	0.61 U	NA	0.8 U	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		16.9	2.25 J	NA	NA	19.6	5.46	7.53	0.0618 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		119	9.36	NA	NA	132	38.6	19.1	2.21 J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.28 J	0.282 U	NA	NA	1.18 J	0.506 J	0.329 J	0.0819 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**1.84 J**	0.152 U	NA	NA	**9.26**	**1.65 J**	0.13 U	0.0384 U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.901 J	0.244 U	NA	NA	2.15 J	0.397 J	0.307 J	0.112 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.05 J	0.256 J	NA	NA	1.98 J	0.075 U	1.71 J	0.0352 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.52 J	0.44 J	NA	NA	6.49	1.53 J	0.968 J	0.16 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.758 U	0.234 U	NA	NA	0.662 J	0.169 J	0.188 U	0.0499 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.35 J	0.476 J	NA	NA	4.41 J	0.794 J	0.344 J	0.247 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.04 J	0.199 U	NA	NA	4.02 J	3.98 J	0.181 UJ	0.0657 UJ
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**0.584 J**	0.228 U	NA	NA	**1.54 J**	**0.29 J**	0.185 J	0.133 J
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.21 J	0.162 U	NA	NA	1.8 J	0.0768 U	0.595 J	0.0398 UJ
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**1.26 J**	0.182 U	NA	NA	**1.64 J**	**0.494 J**	**0.705 J**	0.0614 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.314 U	0.252 U	NA	NA	1.24 U	0.191 U	0.203 U	0.0992 UJ
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.234 U	0.206 U	NA	NA	0.235 U	0.0951 U	0.17 U	0.0916 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		237	18.1	NA	NA	244 J	74.7	66.5 J	5.47 J
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		27.2 J	5.07 J	NA	NA	45.5 J	10 J	12.5 J	0.623 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		25 J	3.35 J	NA	NA	44.3 J	10.3 J	10.3 J	2.59 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		44.4	3.92 J	NA	NA	44.7	12.1	6.64 J	0.136 U
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		926	59.1	NA	NA	1090	486	473	17.5
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		23.3 J	3.2 J	NA	NA	75.1 J	12.5 J	31.1 J	0.388 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		2.56 J	0.252 J	NA	NA	10.1 J	2.06 J	2.15 J	1.26 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		5.36 J	0.252 U	NA	NA	35.7 J	3.86 J	70 J	1 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.234 U	0.206 U	NA	NA	1.57 J	0.308 J	0.17 U	0.633 J

Attachment C.1 (continued)
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					Location ID	SIB-101-MLW	SIB-101-OHW	SIB-101-OHW	SIB-101-OHW	SIB-101-TOB	SIB-101-TOB	SIB-102-MLW	SIB-102-MLW
					Sample ID	SIB-101-MLW-0-1-10062022	SIB-101-OHW-0-1-10062022	SIB-101-OHW-1-2-10062022	SIB-101-OHW-2-3-10062022	SIB-101-TOB-0-1-10062022	SIB-101-TOB-1-2-10062022	SIB-102-MLW-0-1-10062022	SIB-102-MLW-1-2-10062022
TOTAL HpCDFs	pg/g	NE	NE	NE		57.3 J	6.4 J	NA	NA	67.6 J	18 J	18.7 J	0.515 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		3.9 J	0.55 J	NA	NA	6.9 J	1.7 J	1.3 J	0.28 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	20.6
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.36
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	21.2
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.78
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.2
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.56
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	35.7
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	17
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	15.1
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	18.1
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	20.9
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	24.5
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	31
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	17.9
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	18.9
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.07
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.89
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.95
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.43
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.04
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.29
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.5
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.52
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.45
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.36
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.03
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.4
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.4
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.24
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.64
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.39
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.33
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.67
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.76
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.64
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.67
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.87
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.2
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	15.8
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.33
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.32
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.26
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.03

Attachment C.1 (continued)
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					Location ID	SIB-101-MLW	SIB-101-OHW	SIB-101-OHW	SIB-101-OHW	SIB-101-TOB	SIB-101-TOB	SIB-102-MLW	SIB-102-MLW
					Sample ID	SIB-101-MLW-0-1-10062022	SIB-101-OHW-0-1-10062022	SIB-101-OHW-1-2-10062022	SIB-101-OHW-2-3-10062022	SIB-101-TOB-0-1-10062022	SIB-101-TOB-1-2-10062022	SIB-102-MLW-0-1-10062022	SIB-102-MLW-1-2-10062022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.87
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.84
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.72
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.37
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.92
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.19
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.59
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.49
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.1
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.89
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	11.6
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.61
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.38
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.9
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	11.5
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.99
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.97
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.15
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.56
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.4
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.56
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.4
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.87
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.17
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.26
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.97
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.35
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.3
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.61
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.77
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.77
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.84
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.12
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.08
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.27
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.12
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.24
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.33
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.8
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.27
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	2.97
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.19
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	11.1
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	13.3
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.58
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.43
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	16.7

Attachment C.1 (continued)
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					Location ID	SIB-101-MLW	SIB-101-OHW	SIB-101-OHW	SIB-101-OHW	SIB-101-TOB	SIB-101-TOB	SIB-102-MLW	SIB-102-MLW
					Sample ID	SIB-101-MLW-0-1-10062022	SIB-101-OHW-0-1-10062022	SIB-101-OHW-1-2-10062022	SIB-101-OHW-2-3-10062022	SIB-101-TOB-0-1-10062022	SIB-101-TOB-1-2-10062022	SIB-102-MLW-0-1-10062022	SIB-102-MLW-1-2-10062022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	18.1
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	11.4
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.64
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.03
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	10.7
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.2
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.56
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	20.3
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.76
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.71
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.52
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.09
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.39
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.07
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.53
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.87
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.6
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	18.1
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.49
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.64
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.49
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.64
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.83
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	4.48
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	12.7
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.31
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.61
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.4
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.53
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	212
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	14.9
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	11.8
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	13.3
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	20.7
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	12.5
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	17.6
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.24
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.27
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	11.2
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	13.5
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.04
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	17.8
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	3.35
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.74
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.45
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.92
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.01

Attachment C.1 (continued)
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					Location ID	SIB-101-MLW	SIB-101-OHW	SIB-101-OHW	SIB-101-OHW	SIB-101-TOB	SIB-101-TOB	SIB-102-MLW	SIB-102-MLW
					Sample ID	SIB-101-MLW-0-1-10062022	SIB-101-OHW-0-1-10062022	SIB-101-OHW-1-2-10062022	SIB-101-OHW-2-3-10062022	SIB-101-TOB-0-1-10062022	SIB-101-TOB-1-2-10062022	SIB-102-MLW-0-1-10062022	SIB-102-MLW-1-2-10062022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	10.4
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.72
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.3
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.83
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.08
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.73
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.49
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.95
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.55
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.41
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.42
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.84
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.99
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.39
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.06
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.49
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	8.24
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	9.78
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.96
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.9
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.35
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	5.97
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.58
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.95
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.81
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.77
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.45
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.46
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.64
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.81
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.14
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	7.16
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.35
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	6.52
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	NA	NA	NA	5730 J	658 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.1 U	1.9 U	NA	NA	1.9 U	NA	2.5 U	2.9 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		4.6 U	4.1 U	NA	NA	4.1 U	NA	5.3 U	6.2 U
ARSENIC	mg/kg	3	NE	NE		**10.2**	1.93	NA	NA	**3.06**	1.96 J	**5.84**	**3.63 J**
CADMIUM	mg/kg	0.51	NE	NE		0.03 U	0.05 J	NA	NA	0.2	0.1	0.15	0.11 J
COPPER	mg/kg	359	NE	NE		18.1	18.1	NA	NA	48	22.7	27.5	32.6
LEAD	mg/kg	196	NE	NE		10.8	3.95	NA	NA	28.6	6.03	15.7	4.98
ZINC	mg/kg	459	NE	NE		59	51.9	NA	NA	131	58.2	85.2	62.1
MERCURY	mg/kg	0.085	NE	NE		0.025	0.0292	NA	NA	0.0507	0.0237 J	**0.154**	0.0526 J
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	NA	NA	2.9 U	0.6 U	0.6 U	NA
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	7.8 U	1.6 U	1.6 U	NA

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					Location ID	SIB-101-MLW	SIB-101-OHW	SIB-101-OHW	SIB-101-OHW	SIB-101-TOB	SIB-101-TOB	SIB-102-MLW	SIB-102-MLW
					Sample ID	SIB-101-MLW-0-1-10062022	SIB-101-OHW-0-1-10062022	SIB-101-OHW-1-2-10062022	SIB-101-OHW-2-3-10062022	SIB-101-TOB-0-1-10062022	SIB-101-TOB-1-2-10062022	SIB-102-MLW-0-1-10062022	SIB-102-MLW-1-2-10062022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	7.8 U	1.6 U	1.6 U	NA
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	7.8 U	1.6 U	1.6 U	NA
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	7.8 U	1.6 U	1.6 U	NA
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		1.6 U	1.6 U	NA	NA	7.8 U	1.6 U	1.6 U	NA
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		6	1.6 U	NA	NA	20.8 J	2.1 J	1.6 U	NA
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		14.3	0.6 J	NA	NA	19.4 J	4.3	3 J	NA
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	NA	NA	2.9 U	0.6 U	0.6 U	NA
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**24.9**	6	NA	NA	**62.6**	**11**	8.4	NA
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		11 U	9.2 U	9.2 U	9.3 U	9.2 U	18 J	12 U	35 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.4 U	0.38 U	NA	NA	0.37 U	NA	0.51 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		1.2 J	0.31 U	NA	NA	1.2 J	NA	39	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.98 J	0.37 J	NA	NA	0.88 J	NA	35	NA
ANTHRACENE	µg/kg	NE	NE	NE		2.1 J	0.3 U	NA	NA	2.2 J	NA	60	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		11	0.24 U	NA	NA	21	NA	70	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		16	6.6	NA	NA	34	NA	120	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		20	4.2 J	NA	NA	41	NA	110	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		13	5.8	NA	NA	21	NA	95	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		7.3	1.5 J	NA	NA	15	NA	32	NA
CHRYSENE	µg/kg	NE	NE	NE		17	2.5 J	NA	NA	27	NA	91	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		2.7 J	0.35 J	NA	NA	4.4 J	NA	4.5 J	NA
FLUORANTHENE	µg/kg	NE	NE	NE		22	5 J	NA	NA	44	NA	340	NA
FLUORENE	µg/kg	NE	NE	NE		0.62 U	0.59 U	NA	NA	0.57 U	NA	25	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		11	4.8 J	NA	NA	23	NA	78	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.51 U	0.49 U	NA	NA	0.47 U	NA	120	NA
PHENANTHRENE	µg/kg	NE	NE	NE		9.8	1.7 J	NA	NA	17	NA	270	NA
PYRENE	µg/kg	NE	NE	NE		26	7.2	NA	NA	41	NA	450	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		161	41.2	NA	NA	293	NA	1940	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		23 J	7.9 J	NA	NA	47.1 J	NA	151 J	NA
SOLIDS, PERCENT	%	NE	NE	NE		86.1	96.4	95.8	95.8	95.1	96.9	72.5	62.7
TOTAL ORGANIC CARBON	%	NE	NE	NE		0.24	0.08 J	NA	NA	2.13	NA	0.95	NA

Attachment C.1 (continued)
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					Location ID	SIB-102-OHW	SIB-102-OHW	SIB-102-OHW	SIB-102-TOB	SIB-102-TOB	SIB-102-TOB	SIB-103-MLW	SIB-103-OHW
					Sample ID	SIB-102-OHW-0-1-10062022	SIB-102-OHW-1-2-10062022	SIB-102-OHW-2-3-10062022	SIB-102-TOB-0-1-10062022	SIB-102-TOB-1-2-10062022	SIB-102-TOB-2-3-10062022	SIB-103-MLW-0-1-10062022	SIB-103-OHW-0-1-10062022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		0.43 U	NA	NA	0.45	NA	NA	0.49 U	0.46 U
2,4'-DDD	µg/kg	NE	NE	NE		0.3 U	NA	NA	0.3 U	NA	NA	0.35 U	0.3 U
P,P'-DDD	µg/kg	NE	NE	NE		0.19 J	NA	NA	0.17 U	NA	NA	0.2 U	0.17 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.34	NA	NA	0.3 U	NA	NA	0.35 U	0.3 U
O,P'-DDE	µg/kg	NE	NE	NE		0.37 U	NA	NA	0.37 U	NA	NA	0.44 U	0.38 U
P,P'-DDE	µg/kg	NE	NE	NE		0.33 U	NA	NA	0.33 U	NA	NA	0.39 U	0.34 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.37 U	NA	NA	0.37 U	NA	NA	0.44 U	0.38 U
O,P'-DDT	µg/kg	NE	NE	NE		0.44 U	NA	NA	0.44 U	NA	NA	0.52 U	0.45 U
P,P'-DDT	µg/kg	NE	NE	NE		0.22 U	NA	NA	0.315 J	NA	NA	0.26 U	0.23 U
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.44 U	NA	NA	0.54	NA	NA	0.52 U	0.45 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		1	NA	NA	1.1	NA	NA	0.52 U	0.45 U
ALDRIN	µg/kg	2	NE	NE		0.37 U	NA	NA	0.37 U	NA	NA	0.44 U	0.38 U
DIELDRIN	µg/kg	0.07	NE	NE		0.36 U	NA	NA	0.36 U	NA	NA	0.43 U	0.37 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.15 UJ	NA	NA	0.15 UJ	NA	NA	0.17 UJ	0.15 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.29 U	NA	NA	0.29 U	NA	NA	0.34 U	0.3 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.3 U	NA	NA	0.3 U	NA	NA	0.36 U	0.31 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.46 U	NA	NA	0.46 U	NA	NA	0.54 U	0.47 U
Oxychlordane	µg/kg	NE	NE	NE		0.61 U	NA	NA	0.61 U	NA	NA	0.72 U	0.62 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.67 J	NA	NA	0.27 U	NA	NA	0.32 U	0.28 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**1.5**	NA	NA	0.61 U	NA	NA	0.72 U	0.62 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.88 J	0.0766 U	0.0953 U	15.1	19.5	15.7	11.1	2.33 J
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		32.5	2.19 J	1.74 J	31.4	26.6	25.5	54.3	10.7
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.301 J	0.105 U	0.126 U	0.771 J	0.733 J	0.719 J	0.694 J	0.352 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**0.696 J**	0.0708 U	0.0481 UJ	**1.934 J**	**1.57 J**	**2.55 J**	**0.905 J**	**0.776 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.455 J	0.11 U	0.08 U	0.363 U	0.287 J	0.193 J	0.496 J	0.257 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.289 J	0.0722 U	0.0489 U	0.977 J	0.643 J	0.806 J	0.47 J	0.223 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.774 J	0.124 J	0.138 J	1.47 J	0.962 J	0.983 J	1.8 J	0.581 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.198 U	0.104 U	0.069 U	0.365 U	0.255 J	0.254 J	0.246 U	0.199 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.72 J	0.168 J	0.164 J	1.251 J	0.507 J	0.427 J	0.911 J	0.585 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.173 U	0.0938 U	0.0912 UJ	3.12 J	1.75 J	2.08 J	0.166 U	0.988 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**0.343 J**	0.103 U	0.113 U	0.264 U	**0.2 J**	0.171 J	0.283 U	0.149 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.132 U	0.0726 U	0.0509 UJ	0.835 J	0.707 J	0.632 J	0.521 J	0.143 UJ
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**0.309 J**	0.116 J	0.0884 U	**1.05 J**	**0.98 J**	**0.955 J**	**0.344 J**	0.195 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.152 UJ	0.168 U	0.124 U	**0.95 J**	0.208 U	0.232 U	0.164 U	0.123 UJ
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.201 J**	0.113 U	0.105 U	0.149 U	0.0865 U	0.106 U	0.127 U	**0.461 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		93.5	4.9 J	3.89 J	63.75	52.2	51.2	127	22.1
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.87 J	1.36 J	1.01 J	20.2 J	17.8 J	17.7 J	12.5 J	4.2 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		11.1 J	1.63 J	1.54 J	11.4 J	7.24 J	6.7 J	13.1 J	5.76 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.92 J	0.199 U	0.145 U	24.75	35	25.4	39.8	4.62 J
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		270 J	20.6	14.6	305	308	287	366	83.2
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		6.06 J	1.15 J	0.766 J	20.65 J	13.2 J	12.8 J	4.95 J	3.81 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		1.54 J	0.692 J	0.291 J	1.314 J	1.49 J	1.66 J	0.478 J	1.03 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		2.93 J	0.182 J	0.618 J	9.235 J	2.81 J	2.85 J	1.44 J	2 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.201 J	0.207 J	0.164 J	0.5 J	0.362 J	0.522 J	0.393 J	0.702 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-102-OHW	SIB-102-OHW	SIB-102-OHW	SIB-102-TOB	SIB-102-TOB	SIB-102-TOB	SIB-103-MLW	SIB-103-OHW
					Sample ID	SIB-102-OHW-0-1-10062022	SIB-102-OHW-1-2-10062022	SIB-102-OHW-2-3-10062022	SIB-102-TOB-0-1-10062022	SIB-102-TOB-1-2-10062022	SIB-102-TOB-2-3-10062022	SIB-103-MLW-0-1-10062022	SIB-103-OHW-0-1-10062022
TOTAL HpCDFs	pg/g	NE	NE	NE		12.1 J	2.43 J	1.78 J	41.45 J	49.1 J	40.8 J	45.3 J	7.28 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		1.4 J	0.23 J	0.2 J	1.7	1.7 J	1.7 J	1.6 J	1 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-102-OHW	SIB-102-OHW	SIB-102-OHW	SIB-102-TOB	SIB-102-TOB	SIB-102-TOB	SIB-103-MLW	SIB-103-OHW
					Sample ID	SIB-102-OHW-0-1-10062022	SIB-102-OHW-1-2-10062022	SIB-102-OHW-2-3-10062022	SIB-102-TOB-0-1-10062022	SIB-102-TOB-1-2-10062022	SIB-102-TOB-2-3-10062022	SIB-103-MLW-0-1-10062022	SIB-103-OHW-0-1-10062022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-102-OHW	SIB-102-OHW	SIB-102-OHW	SIB-102-TOB	SIB-102-TOB	SIB-102-TOB	SIB-103-MLW	SIB-103-OHW
					Sample ID	SIB-102-OHW-0-1-10062022	SIB-102-OHW-1-2-10062022	SIB-102-OHW-2-3-10062022	SIB-102-TOB-0-1-10062022	SIB-102-TOB-1-2-10062022	SIB-102-TOB-2-3-10062022	SIB-103-MLW-0-1-10062022	SIB-103-OHW-0-1-10062022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-102-OHW	SIB-102-OHW	SIB-102-OHW	SIB-102-TOB	SIB-102-TOB	SIB-102-TOB	SIB-103-MLW	SIB-103-OHW
					Sample ID	SIB-102-OHW-0-1-10062022	SIB-102-OHW-1-2-10062022	SIB-102-OHW-2-3-10062022	SIB-102-TOB-0-1-10062022	SIB-102-TOB-1-2-10062022	SIB-102-TOB-2-3-10062022	SIB-103-MLW-0-1-10062022	SIB-103-OHW-0-1-10062022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	11200 J	NA	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		1.9 U	NA	NA	1.9 U	NA	NA	2.1 U	2 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		4 U	NA	NA	22 J	NA	NA	4.5 U	4.2 U
ARSENIC	mg/kg	3	NE	NE		2.22	NA	NA	2.755 J	2.97 J	2.77 J	2.07	2.61
CADMIUM	mg/kg	0.51	NE	NE		0.03 J	NA	NA	0.13	0.07 J	0.07 J	0.1 J	0.12
COPPER	mg/kg	359	NE	NE		17.9	NA	NA	25	22	20.1	31	36.1
LEAD	mg/kg	196	NE	NE		6.81	NA	NA	10.65	8.41	6.39	4.92	8.09
ZINC	mg/kg	459	NE	NE		56.1	NA	NA	70.3 J	58.4	54.4	123	73.9
MERCURY	mg/kg	0.085	NE	NE		0.0285	NA	NA	0.07555 J	0.0742 J	**0.2 J**	0.0167 J	0.0526
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	NA	NA	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U

Attachment C.1 (continued)
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				Location ID	SIB-102-OHW	SIB-102-OHW	SIB-102-OHW	SIB-102-TOB	SIB-102-TOB	SIB-102-TOB	SIB-103-MLW	SIB-103-OHW
				Sample ID	SIB-102-OHW-0-1-10062022	SIB-102-OHW-1-2-10062022	SIB-102-OHW-2-3-10062022	SIB-102-TOB-0-1-10062022	SIB-102-TOB-1-2-10062022	SIB-102-TOB-2-3-10062022	SIB-103-MLW-0-1-10062022	SIB-103-OHW-0-1-10062022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	1.6 U	NA	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	1.6 U	NA	NA	4.3	3.1 J	4.2	1.9 J	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	1.7 J	NA	NA	6.85	8	8.8	2.4 J	0.9 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	0.6 U	NA	NA	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	7.1	NA	NA	**15.8**	**15.7**	**17.6**	8.9	6.3
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	9 U	NA	NA	20 J	30 J	11 J	11 U	9.4 U
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.39 U	NA	NA	0.38 U	NA	NA	0.43 U	0.38 U
ACENAPHTHENE	µg/kg	NE	NE	NE	0.55 J	NA	NA	0.9 J	NA	NA	0.63 J	0.31 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE	1.2 J	NA	NA	1.4 J	NA	NA	1.8 J	0.38 J
ANTHRACENE	µg/kg	NE	NE	NE	2.3 J	NA	NA	2.15 J	NA	NA	2 J	0.68 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	13	NA	NA	12.9 J	NA	NA	6.8	0.24 U
BENZO(A)PYRENE	µg/kg	NE	NE	NE	17	NA	NA	19.5	NA	NA	8.6	0.39 U
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	13	NA	NA	19	NA	NA	32	2.4 J
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	12	NA	NA	13.5	NA	NA	7.5	1.6 J
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	4.6 J	NA	NA	6.85	NA	NA	9.9	0.85 J
CHRYSENE	µg/kg	NE	NE	NE	14	NA	NA	15.35 J	NA	NA	27	2 J
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	1.2 J	NA	NA	2.15 J	NA	NA	1.5 J	0.24 U
FLUORANTHENE	µg/kg	NE	NE	NE	22	NA	NA	22 J	NA	NA	16	3.8 J
FLUORENE	µg/kg	NE	NE	NE	0.59 U	NA	NA	0.58 U	NA	NA	0.66 U	0.58 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	11	NA	NA	14	NA	NA	11	1.5 J
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.49 U	NA	NA	0.48 U	NA	NA	0.55 U	0.48 U
PHENANTHRENE	µg/kg	NE	NE	NE	18	NA	NA	4.7 J	NA	NA	7.3	2.9 J
PYRENE	µg/kg	NE	NE	NE	31	NA	NA	27.5 J	NA	NA	15	4.6 J
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	162	NA	NA	163	NA	NA	148	22
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	22 J	NA	NA	26.3	NA	NA	15.2 J	0.73 J
SOLIDS, PERCENT	%	NE	NE	NE	97	NA	NA	96.75	95.7	95.5	85.6	93.5
TOTAL ORGANIC CARBON	%	NE	NE	NE	0.27	NA	NA	0.635	NA	NA	0.32	0.62

Attachment C.1 (continued)
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					Location ID	SIB-103-OHW	SIB-103-OHW	SIB-103-TOB	SIB-104-MLW	SIB-104-OHW	SIB-104-TOB	SIB-104-TOB	SIB-105-OHW
					Sample ID	SIB-103-OHW-1-2-10062022	SIB-103-OHW-2-3-10062022	SIB-103-TOB-0-1-10062022	SIB-104-MLW-0-1-10062022	SIB-104-OHW-0-1-10062022	SIB-104-TOB-0-1-10062022	SIB-104-TOB-1-2-10062022	SIB-105-OHW-0-1-10052022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	NA	7	34	5	6.6	NA	4.2
2,4'-DDD	µg/kg	NE	NE	NE		NA	NA	0.3 U	0.36 U	0.31 U	0.32 U	NA	0.28 UJ
P,P'-DDD	µg/kg	NE	NE	NE		NA	NA	0.17 U	0.2 U	0.65	0.18 U	NA	0.16 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	NA	0.3 U	0.36 U	0.81	0.32 U	NA	0.28 U
O,P'-DDE	µg/kg	NE	NE	NE		NA	NA	0.38 U	0.45 U	0.39 U	0.4 U	NA	0.35 U
P,P'-DDE	µg/kg	NE	NE	NE		NA	NA	0.67	0.4 U	1.7	0.35 U	NA	0.31 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	NA	0.86	0.45 U	1.9	0.4 U	NA	0.35 U
O,P'-DDT	µg/kg	NE	NE	NE		NA	NA	0.45 U	0.53 U	0.55	0.47 U	NA	0.41 UJ
P,P'-DDT	µg/kg	NE	NE	NE		NA	NA	0.84	0.35 J	8.6	0.24 U	NA	0.21 UJ
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	NA	1.1	0.62	9.2	0.47 U	NA	0.41 U
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	NA	2.2	1.3	**11.9**	0.47 U	NA	0.41 U
ALDRIN	µg/kg	2	NE	NE		NA	NA	0.38 U	0.45 U	0.39 U	0.4 U	NA	0.35 UJ
DIELDRIN	µg/kg	0.07	NE	NE		NA	NA	0.37 U	0.44 U	0.38 U	0.39 U	NA	0.34 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	NA	0.15 UJ	0.18 UJ	0.15 UJ	0.16 UJ	NA	0.14 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	NA	2.1	0.35 U	0.3 U	6	NA	0.27 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	NA	0.31 U	0.37 U	0.48 J	0.32 U	NA	0.28 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	NA	3.2	0.55 U	0.47 U	12	NA	0.42 U
Oxychlordane	µg/kg	NE	NE	NE		NA	NA	1.1	0.74 U	0.63 U	2.6	NA	0.57 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	NA	7.1	0.33 U	0.28 U	23	NA	0.26 UJ
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	NA	**13.7**	0.74 U	1.3	**43.8**	NA	0.57 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.0557 U	0.538 UJ	11.8	8.24	22	5.61	3.68 J	22.9
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.56 J	3.51 J	46	40.6	80.5	31.5	12.5	81.2
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.0899 J	1.02 U	0.765 J	0.562 J	2.17 J	0.432 J	0.306 J	1.65 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		0.045 UJ	0.357 U	**2.47 J**	**1.45 J**	**4.76 J**	**0.991 J**	**0.867 J**	**3.01 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.124 J	0.519 U	1.21 J	0.599 J	0.857 J	0.579 J	0.32 J	1.19 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.0472 U	0.351 U	1.74 J	0.687 J	1.12 J	0.915 J	1.79 J	0.89 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.26 J	0.491 U	2.43 J	1.67 J	3 J	1.53 J	1.09 J	2.96 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.0651 U	0.659 U	0.364 J	0.184 U	0.688 J	0.28 J	0.625 J	0.58 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.28 J	0.503 U	1.68 J	1.05 J	1.54 J	1.28 J	0.637 J	2.02 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.0859 UJ	0.402 U	4.72 J	0.283 U	2.33 J	1.66 J	0.232 U	1.73 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		0.166 J	0.455 U	**0.723 J**	**0.436 J**	**0.67 J**	**0.481 J**	**0.887 J**	**0.767 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.0476 U	0.357 U	2.08 J	0.133 U	1.27 J	1.25 J	3.91 J	1.17 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		0.132 J	0.396 U	**3.68 J**	**0.479 J**	**0.923 J**	**1.91 J**	**9.25**	**0.791 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.107 U	0.489 U	**1.64**	0.15 U	0.183 U	0.21 U	0.468 U	0.329 J
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.0785 U	0.418 U	0.186 U	**0.206 J**	0.173 J	0.136 J	**1.81 J**	0.203 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		8.02 J	7.71 J	89.8	97.9	181	61	24.3	167
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.4 J	1.22 J	33.4 J	12 J	33.7 J	18.4 J	53.5 J	31.6 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.87 J	1.81 J	22.1 J	13.9 J	22.2 J	14.6 J	9.75 J	23.4 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.137 U	2.72 U	19.8	18.8	49	12.1	4.02 J	56.3
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		30	27.5	339	296	640	203	83.8	542
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		1.05 J	0.659 J	62.8 J	7.78 J	12 J	32.5 J	79 J	11.2 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		0.767 J	0.455 U	7.1 J	2.06 J	4 J	3.94 J	4.53 J	4.3 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		0.803 J	0.489 U	57.7 J	4.18 J	5.36 J	31.5 J	27 J	3.35 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.18 J	0.418 U	1.22 J	0.819 J	2.18 J	0.531 J	20.1 J	1.05

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-103-OHW	SIB-103-OHW	SIB-103-TOB	SIB-104-MLW	SIB-104-OHW	SIB-104-TOB	SIB-104-TOB	SIB-105-OHW
					Sample ID	SIB-103-OHW-1-2-10062022	SIB-103-OHW-2-3-10062022	SIB-103-TOB-0-1-10062022	SIB-104-MLW-0-1-10062022	SIB-104-OHW-0-1-10062022	SIB-104-TOB-0-1-10062022	SIB-104-TOB-1-2-10062022	SIB-105-OHW-0-1-10052022
TOTAL HpCDFs	pg/g	NE	NE	NE		2.14 J	2.55 J	32.8 J	26.1 J	87.6 J	17 J	9.67 J	89.1 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		0.37 J	0.74 J	4.1 J	1.9 J	3.8 J	2.4 J	6.6 J	3.6 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		18.4	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		5.59	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		19.5	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		6.8	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		6.57	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		14.8	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		24.4	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		15.2	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		13.4	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		16.2	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		18.7	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		18.6	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		18.2	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		16	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		16.9	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		9.92	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		5.52	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		5.59	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		5.52	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		5.59	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		6.33	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		6.89	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		3.54	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		2.69	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		3.77	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		2.64	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		19.3	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		3.26	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		4.97	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		4.95	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		2.39	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		17.7	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		2.56	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		2.56	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		2.77	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		4.22	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		4.12	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		4.14	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		6.67	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		8.68	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		34.7	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		7.85	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		8.76	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		8.72	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		4.71	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-103-OHW	SIB-103-OHW	SIB-103-TOB	SIB-104-MLW	SIB-104-OHW	SIB-104-TOB	SIB-104-TOB	SIB-105-OHW
					Sample ID	SIB-103-OHW-1-2-10062022	SIB-103-OHW-2-3-10062022	SIB-103-TOB-0-1-10062022	SIB-104-MLW-0-1-10062022	SIB-104-OHW-0-1-10062022	SIB-104-TOB-0-1-10062022	SIB-104-TOB-1-2-10062022	SIB-105-OHW-0-1-10052022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		9.32	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		3.37	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		7.27	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		6.93	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		7.44	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		6.78	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		8.1	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		8.94	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		4.48	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		4.31	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		11.1	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		3.18	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		2.96	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		3.43	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		19.1	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		3.52	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		2.52	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		4.67	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		5.22	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		3.71	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		5.22	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		3.71	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		3.28	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		5.82	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		5.89	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		5.63	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		5.99	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		4.54	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		10.5	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		2.71	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		5.46	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		7.49	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		3.5	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		3.71	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		2.54	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		11.9	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		2.52	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		2.69	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		6.12	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		2.56	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		2.81	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		3.48	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		8.17	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		9.81	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		7.04	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		5.46	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		5.65	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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Location ID					SIB-103-OHW	SIB-103-OHW	SIB-103-TOB	SIB-104-MLW	SIB-104-OHW	SIB-104-TOB	SIB-104-TOB	SIB-105-OHW
Sample ID					SIB-103-OHW-1-2-10062022	SIB-103-OHW-2-3-10062022	SIB-103-TOB-0-1-10062022	SIB-104-MLW-0-1-10062022	SIB-104-OHW-0-1-10062022	SIB-104-TOB-0-1-10062022	SIB-104-TOB-1-2-10062022	SIB-105-OHW-0-1-10052022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE	9.17	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE	8.38	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE	7.1	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE	6.63	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE	7.91	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE	6.78	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE	6.31	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE	9.66	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE	2.47	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE	5.46	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE	6.99	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE	2	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE	4.54	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE	4.33	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE	4.73	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE	5.86	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE	3.95	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE	10.4	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	4.78	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	4.88	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	4.78	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	4.88	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE	4.31	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE	3.95	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE	6.99	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE	5.37	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE	4.86	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE	5.72	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE	4.73	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE	246	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE	6.8	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE	9.08	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE	10.3	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE	15.9	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE	9.64	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE	13.6	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE	3.45	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE	3.48	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE	8.64	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE	10.4	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE	3.33	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE	11.5	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE	1.81	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE	5.65	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE	4.8	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	5.12	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE	5.16	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-103-OHW	SIB-103-OHW	SIB-103-TOB	SIB-104-MLW	SIB-104-OHW	SIB-104-TOB	SIB-104-TOB	SIB-105-OHW
					Sample ID	SIB-103-OHW-1-2-10062022	SIB-103-OHW-2-3-10062022	SIB-103-TOB-0-1-10062022	SIB-104-MLW-0-1-10062022	SIB-104-OHW-0-1-10062022	SIB-104-TOB-0-1-10062022	SIB-104-TOB-1-2-10062022	SIB-105-OHW-0-1-10052022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		8	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		4.97	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		5.35	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		5.05	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		4.56	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		4.33	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		7.31	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		5.12	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		7.36	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		6.36	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		5.42	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		6.36	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		4.5	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		5.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		6.8	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		7.14	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		6.21	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		6.23	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		5.22	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		5.18	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		4.78	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		4.5	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		4.95	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		5.97	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		5.12	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		5.84	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		5.61	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		4.86	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		4.99	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		4.88	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		4.41	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		5.48	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		4.54	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		4.67	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		611 J	761 J	NA	NA	8830 J	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	NA	1.9 U	2.2 U	1.9 U	2 U	NA	2 U
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	NA	4.1 U	4.6 U	4.1 U	4.2 U	NA	4.3 U
ARSENIC	mg/kg	3	NE	NE		NA	2.53 J	**5.76**	**4.45**	2.45	**6.79**	**4.78 J**	1.79
CADMIUM	mg/kg	0.51	NE	NE		NA	0.05 J	0.42	0.1 J	0.22	0.48	0.11	0.2
COPPER	mg/kg	359	NE	NE		NA	17.5	34.3	27.7	34.6	27.9	21.3	40.7
LEAD	mg/kg	196	NE	NE		NA	5.85	20.7	5.95	11.8	13.7	18.3	7.02
ZINC	mg/kg	459	NE	NE		NA	48.4 J	182	84.8	93.5	99.8	84.6	121
MERCURY	mg/kg	0.085	NE	NE		NA	0.0144 J	0.0652	0.0112 J	0.0137 J	0.0333	0.0311 J	0.00752 J
Aroclor 1262	µg/kg	NE	NE	NE		NA	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U	14.7 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		NA	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	38.9 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-103-OHW	SIB-103-OHW	SIB-103-TOB	SIB-104-MLW	SIB-104-OHW	SIB-104-TOB	SIB-104-TOB	SIB-105-OHW
					Sample ID	SIB-103-OHW-1-2-10062022	SIB-103-OHW-2-3-10062022	SIB-103-TOB-0-1-10062022	SIB-104-MLW-0-1-10062022	SIB-104-OHW-0-1-10062022	SIB-104-TOB-0-1-10062022	SIB-104-TOB-1-2-10062022	SIB-105-OHW-0-1-10052022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		NA	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	38.9 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		NA	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	38.9 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		NA	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	38.9 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		NA	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	38.9 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		NA	1.6 U	59.4	2.8 J	6.7	89.8	110	8.8 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		NA	0.6 U	18.5 J	3.7 J	3.9 J	5.3 J	14.7 U	25.9
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		NA	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U	14.7 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		NA	1.6 U	**100**	**11.1**	**15.2**	**118**	**229**	**57.1**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		NA	NA	9.3 UJ	11 U	9.3 U	9.4 UJ	34 J	11 U
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	NA	0.39 U	0.41 U	0.37 U	0.39 U	NA	0.39 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	NA	1.2 J	1.5 J	0.8 J	0.31 U	NA	0.32 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	NA	1.3 J	1.6 J	0.65 J	0.33 J	NA	0.3 U
ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	1.6 J	2.9 J	0.81 J	0.46 J	NA	1 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	16	8.9	7	4.8 J	NA	6.9
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	NA	34	10	14	12	NA	17
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	34	20	16	9.3	NA	18
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	NA	22	7.2	9.8	6.8	NA	8.9
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	11	7.9	6	3.2 J	NA	5.9
CHRYSENE	µg/kg	NE	NE	NE		NA	NA	24	14	11	6.6	NA	12
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	3.1 J	1.6 J	1.7 J	0.97 J	NA	1.7 J
FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	33	25	17	9.4	NA	19
FLUORENE	µg/kg	NE	NE	NE		NA	NA	0.6 U	0.63 U	0.57 U	0.59 U	NA	0.6 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	NA	23	9.1	11	6.6	NA	10
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	NA	0.5 U	0.52 U	0.47 U	0.49 U	NA	0.5 U
PHENANTHRENE	µg/kg	NE	NE	NE		NA	NA	13	14	8.7	3.8 J	NA	8.5
PYRENE	µg/kg	NE	NE	NE		NA	NA	35	21	15	11	NA	16
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	NA	253	145	120	76.2	NA	126
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	NA	44.5 J	15.5 J	19.2 J	15.1 J	NA	22.3 J
SOLIDS, PERCENT	%	NE	NE	NE		NA	NA	93.4	84	94.2	92.8	91.6	88.2
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	NA	3.83	0.24	1.01	1.73	NA	1.48

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-105-TOB	SIB-106-OHW	SIB-106-TOB	SIB-106-TOB	SIB-107-OHW	SIB-107-TOB	SIB-108-TOB	SIB-109-OHW
					Sample ID	SIB-105-TOB-0-1-10052022	SIB-106-OHW-0-1-10052022	SIB-106-TOB-0-1-10052022	SIB-106-TOB-1-2-10052022	SIB-107-OHW-0-1-10052022	SIB-107-TOB-0-1-10052022	SIB-108-TOB-0-1-10052022	SIB-109-OHW-0-1-10052022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		5.4	19	10	NA	11	20	0.44 U	3.5 J
2,4'-DDD	µg/kg	NE	NE	NE		0.34 UJ	0.32 UJ	0.83 J	0.28 U	0.24 UJ	0.77 J	5.9 J	0.26 UJ
P,P'-DDD	µg/kg	NE	NE	NE		0.32 J	0.18 U	1.5	0.16 U	0.46	1.4	30	0.15 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.49	0.32 U	2.3	0.28 U	0.58	2.2	35.9	0.26 U
O,P'-DDE	µg/kg	NE	NE	NE		0.42 U	0.39 U	0.6	0.34 U	0.3 U	0.52	0.39 U	0.33 U
P,P'-DDE	µg/kg	NE	NE	NE		0.84	0.35 U	0.9	0.31 U	0.27 U	0.76	1.9	1.3 J
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		1.1	0.39 U	1.5	0.34 U	0.3 U	1.3	2.1	1.5
O,P'-DDT	µg/kg	NE	NE	NE		0.5 UJ	0.47 UJ	0.84 J	0.41 U	0.36 UJ	0.67 J	0.46 UJ	0.39 UJ
P,P'-DDT	µg/kg	NE	NE	NE		0.47 J	0.24 UJ	1.9 J	0.21 U	1.7 J	1.7 J	9.8 J	10 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.72	0.47 U	2.7	0.41 U	1.9	2.4	10	10.2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		2.3	0.47 U	**6.6**	0.41 U	2.7	5.8	**48**	**11.9**
ALDRIN	µg/kg	2	NE	NE		0.42 UJ	0.39 UJ	0.33 UJ	0.34 U	0.3 UJ	0.31 UJ	0.39 UJ	0.33 UJ
DIELDRIN	µg/kg	0.07	NE	NE		0.41 U	0.38 U	**0.52 J**	0.34 U	0.3 U	**0.45 J**	0.38 U	0.32 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.17 UJ	0.16 UJ	0.49 J	0.14 U	0.12 UJ	0.52 J	0.16 UJ	0.13 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.33 U	0.31 U	0.93	0.27 U	0.24 U	0.9	0.31 U	0.26 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.34 U	0.32 U	0.96	0.28 U	0.25 U	0.89	0.32 U	0.31 J
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.52 U	0.48 U	0.96	0.42 U	0.37 U	0.88	0.48 U	0.4 U
Oxychlordane	µg/kg	NE	NE	NE		0.69 U	0.65 U	0.94	0.56 U	0.5 U	0.91	0.64 U	0.53 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.78 J	0.29 UJ	0.96 J	0.25 U	0.22 UJ	0.97 J	0.29 UJ	0.24 UJ
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		**1.7**	0.65 U	**4.8**	0.56 U	0.5 U	**4.6**	0.64 U	1
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		13.5	17.8	25.3	4.41 J	41.6	29.6	8.21	42.9 J
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		61.1	83	401	17.2	337	583	45.7	724
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.836 J	1.26 U	0.91 U	0.426 J	2.77 J	2.04 J	0.521 J	4.3 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**1.65 J**	**3.38 J**	**2.78 J**	**1.14 J**	**4.7 J**	**3.37 J**	**1.18 J**	1.45 U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.3 J	1.15 U	5.54	0.473 J	2.48 J	3.36 J	0.479 J	7.09 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.59 J	1.01 J	2.99 J	2.45 J	2.36 J	1.62 J	0.467 J	1.23 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.7 J	3.14 J	19.9	1.74 J	12.2	18.6	1.58 J	25 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.874 J	0.872 U	1.81 J	0.879 J	1.93 J	1.14 J	0.203 U	2.6 R
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.3 J	1.55 J	10.5	0.752 J	5.75	7.39	1.08 J	18.3 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.84 J	2.2 J	0.828 J	0.212 U	3.65 J	4.95 J	1.84 J	3.86 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.26 J**	**0.613 J**	**3.17**	**0.883 J**	**1.59 J**	**2.57 J**	**0.385 J**	**5.22 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.17	1.21 J	7.01	5.65	2.85 J	2.94 J	0.552 J	3.06 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**12**	**0.918 J**	**10.9**	**11.9**	**2.63 J**	**2.75 J**	**0.612 J**	**3.07 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.07**	**0.75 J**	**0.746 J**	0.18 UJ	**0.907 J**	**0.925 J**	**0.417 J**	**2.48 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.781 J**	0.39 U	**0.488 J**	0.138 U	**0.363 J**	**0.543 J**	0.152 U	0.93 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		158	254	787	34.9	655	1580	127	1660
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		83.7 J	29.8 J	103 J	77.3 J	89.8 J	66.7 J	11.4 J	69.8 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		31.5 J	27.2 J	122 J	12.9 J	106 J	158 J	14.9 J	315 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		17.6	41.5	20.8	3.89 J	72.3	59.6	17.1	170
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		431	631	3160	128	2340	4080 J	367	3650 J
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		170 J	8.97 J	129 J	106 J	28.3 J	41.3 J	10.3 J	30.9 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		9.76 J	4.71 J	19.5 J	7.34 J	9.66 J	12.5 J	1.79 J	56.4 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		45.8 J	1.5 J	29.9 J	39.6 J	17.1 J	15.4 J	6.2 J	21.2 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.2 J	1.78	2.78 J	1.03 J	3.4 J	1.66 J	0.726 J	3.86 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-105-TOB	SIB-106-OHW	SIB-106-TOB	SIB-106-TOB	SIB-107-OHW	SIB-107-TOB	SIB-108-TOB	SIB-109-OHW
					Sample ID	SIB-105-TOB-0-1-10052022	SIB-106-OHW-0-1-10052022	SIB-106-TOB-0-1-10052022	SIB-106-TOB-1-2-10052022	SIB-107-OHW-0-1-10052022	SIB-107-TOB-0-1-10052022	SIB-108-TOB-0-1-10052022	SIB-109-OHW-0-1-10052022
TOTAL HpCDFs	pg/g	NE	NE	NE		33.1 J	73.5	64.2 J	11.9 J	154 J	104 J	23.9 J	183 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		8.6 J	3.6 J	**17.3 J**	6.1 J	**10.7 J**	**15.4 J**	1.9 J	**21.3 A**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-105-TOB	SIB-106-OHW	SIB-106-TOB	SIB-106-TOB	SIB-107-OHW	SIB-107-TOB	SIB-108-TOB	SIB-109-OHW
					Sample ID	SIB-105-TOB-0-1-10052022	SIB-106-OHW-0-1-10052022	SIB-106-TOB-0-1-10052022	SIB-106-TOB-1-2-10052022	SIB-107-OHW-0-1-10052022	SIB-107-TOB-0-1-10052022	SIB-108-TOB-0-1-10052022	SIB-109-OHW-0-1-10052022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-105-TOB	SIB-106-OHW	SIB-106-TOB	SIB-106-TOB	SIB-107-OHW	SIB-107-TOB	SIB-108-TOB	SIB-109-OHW
					Sample ID	SIB-105-TOB-0-1-10052022	SIB-106-OHW-0-1-10052022	SIB-106-TOB-0-1-10052022	SIB-106-TOB-1-2-10052022	SIB-107-OHW-0-1-10052022	SIB-107-TOB-0-1-10052022	SIB-108-TOB-0-1-10052022	SIB-109-OHW-0-1-10052022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-105-TOB	SIB-106-OHW	SIB-106-TOB	SIB-106-TOB	SIB-107-OHW	SIB-107-TOB	SIB-108-TOB	SIB-109-OHW
				Sample ID	SIB-105-TOB-0-1-10052022	SIB-106-OHW-0-1-10052022	SIB-106-TOB-0-1-10052022	SIB-106-TOB-1-2-10052022	SIB-107-OHW-0-1-10052022	SIB-107-TOB-0-1-10052022	SIB-108-TOB-0-1-10052022	SIB-109-OHW-0-1-10052022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	NA	6430 J	NA	NA	NA	NA	19600 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	1.9 U	2 U	1.9 U	NA	190 U	21 U	1.9 U	**2300 J**
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	4.2 U	4.2 U	4.1 U	NA	1500 J	440 J	4 U	5800 J
ARSENIC	mg/kg	3	NE	NE	**4.44**	2.48	**4.53**	**4.78**	**3.07**	**3.95**	2.84	**3.22**
CADMIUM	mg/kg	0.51	NE	NE	0.16	0.24	0.23	0.09 J	0.25	0.26	0.22	0.16
COPPER	mg/kg	359	NE	NE	23	41.1	31.5	18.8	37.5	51.2	25.8	55.9
LEAD	mg/kg	196	NE	NE	17.1	10.8	18.3	9.74	24	24.7	10.5	35.7
ZINC	mg/kg	459	NE	NE	80.2	122	107	74.8	118	115	109	96
MERCURY	mg/kg	0.085	NE	NE	0.0174 J	0.0224 J	0.0273	0.027 J	0.0208 J	0.0396	0.0214 J	**0.12**
Aroclor 1262	µg/kg	NE	NE	NE	2.9 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-105-TOB	SIB-106-OHW	SIB-106-TOB	SIB-106-TOB	SIB-107-OHW	SIB-107-TOB	SIB-108-TOB	SIB-109-OHW
					Sample ID	SIB-105-TOB-0-1-10052022	SIB-106-OHW-0-1-10052022	SIB-106-TOB-0-1-10052022	SIB-106-TOB-1-2-10052022	SIB-107-OHW-0-1-10052022	SIB-107-TOB-0-1-10052022	SIB-108-TOB-0-1-10052022	SIB-109-OHW-0-1-10052022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		67.3	5.9	4.6	1.6 U	20.7	11.6	10.9	12.8 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		45.9	6.2	7.6	3.8 J	26.1	15.7	17.2	24.5 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**136**	**16.7**	**16.8**	**9.2**	**69.2**	**31.9**	**32.7**	**59.7**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		110	90 J	**140**	23 J	**170**	**6700**	74 J	190 U
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	0.4 U	0.39 U	NA	69	0.4 U	0.37 U	2100
ACENAPHTHENE	µg/kg	NE	NE	NE		0.32 U	0.33 U	1.8 J	NA	43	0.33 U	0.3 U	2700
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.3 U	0.31 U	0.3 U	NA	400	2.9 J	0.28 U	5700
ANTHRACENE	µg/kg	NE	NE	NE		1.4 J	1.4 J	1.2 J	NA	160	3.6 J	0.84 J	8800
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		10	11	10	NA	880	18	5.7	30000
BENZO(A)PYRENE	µg/kg	NE	NE	NE		24	26	23	NA	1600	36	13	37000
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		23	31	25	NA	2000	76	19	33000
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		16	21	16	NA	2200	31	10	24000
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		8.4	10	8.6	NA	690	20	5.6	12000
CHRYSENE	µg/kg	NE	NE	NE		18	19	17	NA	1200	43	15	36000
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		2.2 J	3.2 J	2.6 J	NA	320	6.4	1.6 J	4200
FLUORANTHENE	µg/kg	NE	NE	NE		25	26	28	NA	1400	47	20	71000
FLUORENE	µg/kg	NE	NE	NE		0.6 U	0.62 U	0.6 U	NA	35	0.62 U	0.57 U	4600
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		17	24	18	NA	2600	38	10	28000
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.5 U	0.51 U	0.5 U	NA	200	0.51 U	0.47 U	4000
PHENANTHRENE	µg/kg	NE	NE	NE		9.8	12	11	NA	610	16	6.1	60000
PYRENE	µg/kg	NE	NE	NE		30	26	31	NA	1900	44	17	95000
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		186	212	194	NA	16300	383	125	**458000**
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		31.3 J	35.9 J	31 J	NA	**2480**	55.8	18.1 J	**50500**
SOLIDS, PERCENT	%	NE	NE	NE		92.8	91.3	93.4	92.8	93.1	88.9	95.4	93.5
TOTAL ORGANIC CARBON	%	NE	NE	NE		1.47	1.39	2.87	NA	2.01	4.92	0.93	6.49

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-109-TOB	SIB-110-MLW	SIB-110-MLW	SIB-110-TOB	SIB-111-TOB	SIB-112-MLW	SIB-112-MLW	SIB-112-MLW
					Sample ID	SIB-109-TOB-0-1-10052022	SIB-110-MLW-0-1-10052022	SIB-110-MLW-1-2-10052022	SIB-110-TOB-0-1-10052022	SIB-111-TOB-0-1-10052022	SIB-112-MLW-0-1-10042022	SIB-112-MLW-1-2-10042022	SIB-112-MLW-2-3-10042022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		290 J	0.67 U	NA	2.7	8.1	0.55 U	NA	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.28 UJ	0.36 UJ	NA	0.25 UJ	0.28 UJ	0.91	NA	NA
P,P'-DDD	µg/kg	NE	NE	NE		0.19 J	0.2 U	NA	0.14 U	0.16 U	2.395 J	NA	NA
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.33	0.36 U	NA	0.25 U	0.28 U	3.3	NA	NA
O,P'-DDE	µg/kg	NE	NE	NE		0.35 U	0.46 U	NA	0.31 U	0.35 U	0.38 U	NA	NA
P,P'-DDE	µg/kg	NE	NE	NE		0.31 U	0.4 U	NA	0.27 U	0.31 U	0.33 U	NA	NA
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.35 U	0.46 U	NA	0.31 U	0.35 U	0.38 U	NA	NA
O,P'-DDT	µg/kg	NE	NE	NE		0.41 UJ	0.54 UJ	NA	0.37 UJ	0.41 UJ	0.45 U	NA	NA
P,P'-DDT	µg/kg	NE	NE	NE		1.2 J	0.27 UJ	NA	0.19 UJ	0.21 UJ	0.23 U	NA	NA
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		1.4	0.54 U	NA	0.37 U	0.41 U	0.45 U	NA	NA
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		2.1	0.54 U	NA	0.37 U	0.41 U	4	NA	NA
ALDRIN	µg/kg	2	NE	NE		0.35 UJ	0.46 UJ	NA	0.31 UJ	0.35 UJ	0.38 U	NA	NA
DIELDRIN	µg/kg	0.07	NE	NE		0.34 U	0.44 U	NA	0.3 U	0.34 U	0.37 U	NA	NA
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.14 UJ	0.18 UJ	NA	0.12 UJ	0.14 UJ	0.15 UJ	NA	NA
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.27 U	0.36 U	NA	0.24 U	0.28 U	0.3 U	NA	NA
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.28 U	0.37 U	NA	0.25 U	0.28 U	0.31 U	NA	NA
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.42 U	0.56 U	NA	0.38 U	0.43 U	0.46 U	NA	NA
Oxychlordane	µg/kg	NE	NE	NE		0.57 U	0.75 U	NA	0.5 U	0.57 U	0.62 U	NA	NA
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.35 J	0.34 UJ	NA	0.23 UJ	0.26 UJ	0.28 U	NA	NA
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		1.1	0.75 U	NA	0.5 U	0.57 U	0.62 U	NA	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		73.5	0.175 U	0.0398 U	5.99	102 J	29.2 J	2.75 J	1.49 J
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		966	4 J	1.95 J	27.5	1620	22.7	3.91 J	2.74 J
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.71 J	0.239 U	0.0508 U	0.558 J	4.42 J	0.5725 J	0.15 J	0.248 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**5.57**	0.121 U	0.0332 UJ	0.284 U	**8.41**	**1.16 J**	0.0882 UJ	0.162 U
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		9.46	0.152 U	0.0699 J	0.272 U	14.5	0.336 J	0.158 U	0.28 U
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.14 J	0.121 U	0.0336 U	0.282 U	5.81	2.473 J	0.236 J	0.152 U
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		23.9	0.268 J	0.136 J	0.902 J	90.9 J	1.29 J	0.282 J	0.264 U
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.68 J	0.193 U	0.0452 U	0.411 U	5.03	0.327 U	0.117 U	0.236 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		16.8	0.332 J	0.246 J	0.715 J	31.2	0.729 J	0.194 J	0.264 U
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.05 J	0.344 J	0.0502 UJ	1.18 J	3.34 J	0.568 J	0.152 J	0.22 U
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**5.39**	0.135 U	0.126 J	**0.288 J**	**6.44**	**0.329 J**	0.236 U	0.252 U
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.72 J	0.449 J	0.035 U	0.989 J	9.57	1.375 J	0.158 J	0.157 U
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**3.69 J**	**0.471 J**	0.0719 J	**0.455 J**	**4.56 J**	**0.892 J**	0.228 J	0.188 U
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**2.42**	0.161 J	0.104 U	0.294 J	**0.631 J**	0.149 U	0.286 J	0.326 J
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		**0.79**	0.113 U	0.0819 U	0.163 U	**0.466 J**	0.136 U	0.226 U	0.368 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		2440	12.3 J	5.36 J	62	3340	61.6	8.73 J	6.91 J
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		97.3 J	3.82 J	0.709 J	7.33 J	222 J	25.9 J	3.26 J	1.98 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		297	4.45 J	2.84 J	8.04 J	375 J	13.5 J	2.07 J	1.41 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		172	0.344 U	0.0945 U	23.6	58.4 J	15.4	4.25 J	2.51 J
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6170 J	43.8	13.8	220	11300 J	322	55.8	31.5
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		50.7 J	5.17 J	0.651 J	6.89 J	45.8 J	15.4 J	2.39 J	0.771 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		44.7 J	1.02 J	1.08 J	1.88 J	23.3 J	6.56 J	0.7 J	0.252 U
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		43.3 J	0.857 J	1.4 J	0.731 J	5.18 J	9.075 J	0.832 J	0.647 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		13.4 J	0.193 J	0.701 J	0.66 J	1.62 J	0.709 J	0.306 J	0.368 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-109-TOB	SIB-110-MLW	SIB-110-MLW	SIB-110-TOB	SIB-111-TOB	SIB-112-MLW	SIB-112-MLW	SIB-112-MLW
					Sample ID	SIB-109-TOB-0-1-10052022	SIB-110-MLW-0-1-10052022	SIB-110-MLW-1-2-10052022	SIB-110-TOB-0-1-10052022	SIB-111-TOB-0-1-10052022	SIB-112-MLW-0-1-10042022	SIB-112-MLW-1-2-10042022	SIB-112-MLW-2-3-10042022
TOTAL HpCDFs	pg/g	NE	NE	NE		214 J	2.73 J	0.647 J	23.1 J	299 J	55.6 J	6.9 J	3.35 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**26.6 J**	0.48 J	0.27 J	1.3 J	**45.7 J**	1.7	0.52 J	0.5 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.5	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.81	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	27.6	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.87	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.34	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	68.9	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.9	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.8	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.3	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.2	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.9	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25.9	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.1	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.3	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	79.3	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	29.8	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	18.2	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	108	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	69.5	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.82	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.2	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.3	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	78	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	210	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.23	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.9	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	81.6	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.31	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	199	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.65	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	4.96	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.28	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.2	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.99	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.03	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.8	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.4	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	328	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	103	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.4	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.3	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	248	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-109-TOB	SIB-110-MLW	SIB-110-MLW	SIB-110-TOB	SIB-111-TOB	SIB-112-MLW	SIB-112-MLW	SIB-112-MLW
					Sample ID	SIB-109-TOB-0-1-10052022	SIB-110-MLW-0-1-10052022	SIB-110-MLW-1-2-10052022	SIB-110-TOB-0-1-10052022	SIB-111-TOB-0-1-10052022	SIB-112-MLW-0-1-10042022	SIB-112-MLW-1-2-10042022	SIB-112-MLW-2-3-10042022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.6	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	88.7	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.1	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.3	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	49.6	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	110	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.9	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.8	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.5	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.3	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	492	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.35	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.78	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.1	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	406	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	28.5	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.17	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.9	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.4	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.51	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.4	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.51	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.5	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.9	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.8	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.2	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.1	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	51.5	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.2	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.3	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	59	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.7	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.2	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.4	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	70.5	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.8	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	18.3	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	45.1	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	7.32	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.4	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.05	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.4	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.5	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	43.8	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.4	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	75.4	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Location ID					SIB-109-TOB	SIB-110-MLW	SIB-110-MLW	SIB-110-TOB	SIB-111-TOB	SIB-112-MLW	SIB-112-MLW	SIB-112-MLW
Sample ID					SIB-109-TOB-0-1-10052022	SIB-110-MLW-0-1-10052022	SIB-110-MLW-1-2-10052022	SIB-110-TOB-0-1-10052022	SIB-111-TOB-0-1-10052022	SIB-112-MLW-0-1-10042022	SIB-112-MLW-1-2-10042022	SIB-112-MLW-2-3-10042022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	206	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	20.9	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	53.3	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	16.6	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	71.2	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	17	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	15.8	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	247	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	4.76	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	122	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	17.5	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	3.54	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	18.6	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	8.74	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	9.54	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	11.8	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	9.86	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	192	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	12	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	12.2	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	12	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	12.2	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	8.92	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	7.89	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	89.1	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	13.4	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	12.2	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	14.5	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	9.54	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	4860	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	57.8	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	18.6	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	21	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	32.6	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	47.9	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	27.8	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	5.9	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	9.47	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	52	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	21.4	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	6.45	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	85.5	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	3.09	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	18.6	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	10.7	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	11.3	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	11.5	NA

Attachment C.1 (continued)
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					Location ID	SIB-109-TOB	SIB-110-MLW	SIB-110-MLW	SIB-110-TOB	SIB-111-TOB	SIB-112-MLW	SIB-112-MLW	SIB-112-MLW
					Sample ID	SIB-109-TOB-0-1-10052022	SIB-110-MLW-0-1-10052022	SIB-110-MLW-1-2-10052022	SIB-110-TOB-0-1-10052022	SIB-111-TOB-0-1-10052022	SIB-112-MLW-0-1-10042022	SIB-112-MLW-1-2-10042022	SIB-112-MLW-2-3-10042022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.4	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	36.2	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.2	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.2	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.63	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.4	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.1	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.3	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.1	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.1	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.99	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.7	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.3	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.9	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.2	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.7	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.8	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.35	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.2	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.09	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.92	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.8	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.24	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.5	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	10.1	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.4	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.01	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.1	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.8	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.5	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.2	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.5	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	1880 J	NA	NA	5370 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		**150 J**	2.8 U	NA	1.9 U	1.9 U	2.4 UJ	NA	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		640 J	6.1 U	NA	4.1 U	4 U	5.1 U	NA	NA
ARSENIC	mg/kg	3	NE	NE		**5.68**	1.98	NA	2.86	2.45	**5.59**	**5.2**	**4.66**
CADMIUM	mg/kg	0.51	NE	NE		**3.58**	0.26	NA	0.09 J	0.08 J	0.095 J	0.04 U	0.06 J
COPPER	mg/kg	359	NE	NE		150	34.3	NA	25.8	26.6	22	17	15
LEAD	mg/kg	196	NE	NE		125	9.46	NA	9.57	4.85	13.8	6.98	5.64
ZINC	mg/kg	459	NE	NE		420	147	NA	73.5	52.9	74.2	62.6	54.1
MERCURY	mg/kg	0.085	NE	NE		**0.121**	0.0755	NA	0.0171 J	0.00395 U	**0.1205**	0.0443 J	0.0275 J
Aroclor 1262	µg/kg	NE	NE	NE		2.9 U	1 U	NA	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		7.8 U	2.5 U	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U

Attachment C.1 (continued)
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				Location ID	SIB-109-TOB	SIB-110-MLW	SIB-110-MLW	SIB-110-TOB	SIB-111-TOB	SIB-112-MLW	SIB-112-MLW	SIB-112-MLW
				Sample ID	SIB-109-TOB-0-1-10052022	SIB-110-MLW-0-1-10052022	SIB-110-MLW-1-2-10052022	SIB-110-TOB-0-1-10052022	SIB-111-TOB-0-1-10052022	SIB-112-MLW-0-1-10042022	SIB-112-MLW-1-2-10042022	SIB-112-MLW-2-3-10042022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	7.8 U	2.5 U	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	7.8 U	2.5 U	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	7.8 U	2.5 U	NA	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	7.8 U	2.5 U	NA	6.2	1.6 U	1.6 U	1.6 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	51.5	2.5 U	NA	13.2	1.6 U	6.75 J	2.6 J	1.6 U
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	37.7	1 U	NA	5.8	4.5	9.95 J	4.4	1.5 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	2.9 U	1 U	NA	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	**112**	2.5 U	NA	**29**	**9.9**	**21.3**	**11.6**	6.9
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	**1700 J**	14 U	NA	57 J	9.2 U	12 U	NA	NA
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.43 U	0.54 U	NA	0.37 U	0.38 U	0.47 U	NA	NA
ACENAPHTHENE	µg/kg	NE	NE	NE	32	0.44 U	NA	0.3 U	0.31 U	1.95 J	NA	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE	16	0.41 U	NA	2.1 J	0.29 U	3.6 J	NA	NA
ANTHRACENE	µg/kg	NE	NE	NE	54	0.58 J	NA	1.5 J	0.76 J	4.1 J	NA	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	370	0.34 U	NA	55	4.1 J	21 J	NA	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE	380	5.3 J	NA	48	10	38 J	NA	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	970	1.8 J	NA	95	15	28.5 J	NA	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	200	1.8 J	NA	40	7.3	19 J	NA	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	360	0.57 J	NA	29	5.3	10.1 J	NA	NA
CHRYSENE	µg/kg	NE	NE	NE	1300	2 J	NA	70	11	24.3 J	NA	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	52	0.34 U	NA	6.7	1.1 J	3.235 J	NA	NA
FLUORANTHENE	µg/kg	NE	NE	NE	2200	9.4	NA	66	13	23 J	NA	NA
FLUORENE	µg/kg	NE	NE	NE	23	0.84 U	NA	0.57 U	0.58 U	0.72 U	NA	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	300	1.8 J	NA	48	8.6	20.05 J	NA	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.54 U	0.69 U	NA	0.47 U	0.48 U	0.6 U	NA	NA
PHENANTHRENE	µg/kg	NE	NE	NE	670	7.2 J	NA	17	0.6 U	16	NA	NA
PYRENE	µg/kg	NE	NE	NE	2100	14	NA	82	12	36 J	NA	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	9030	46.3	NA	561	89.5	250	NA	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	601	5.9 J	NA	74.9	13.9 J	48.3	NA	NA
SOLIDS, PERCENT	%	NE	NE	NE	85.7	62.7	NA	94.8	96	77.1	NA	NA
TOTAL ORGANIC CARBON	%	NE	NE	NE	8.57	0.41	NA	0.85	0.84	0.31	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-112-OHW	SIB-112-TOB	SIB-112-TOB	SIB-112-TOB	SIB-113-TOB	SIB-113-TOB	SIB-114-OHW	SIB-114-TOB
					Sample ID	SIB-112-OHW-0-1-10042022	SIB-112-TOB-0-1-10052022	SIB-112-TOB-1-2-10052022	SIB-112-TOB-2-3-10052022	SIB-113-TOB-0-1-10042022	SIB-113-TOB-1-2-10042022	SIB-114-OHW-0-1-10042022	SIB-114-TOB-0-1-10042022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		13	15	NA	NA	4.8	NA	45	36
2,4'-DDD	µg/kg	NE	NE	NE		0.27 U	0.31 U	NA	NA	0.26 U	NA	0.28 U	0.27 U
P,P'-DDD	µg/kg	NE	NE	NE		0.15 U	0.18 U	NA	NA	0.15 U	NA	0.16 J	0.15 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.27 U	0.31 U	NA	NA	0.26 U	NA	0.3	0.27 U
O,P'-DDE	µg/kg	NE	NE	NE		0.34 U	0.39 U	NA	NA	0.33 U	NA	0.35 U	0.34 U
P,P'-DDE	µg/kg	NE	NE	NE		0.3 U	0.35 U	NA	NA	0.29 U	NA	0.31 U	0.3 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.34 U	0.39 U	NA	NA	0.33 U	NA	0.35 U	0.34 U
O,P'-DDT	µg/kg	NE	NE	NE		0.4 U	0.46 U	NA	NA	0.39 U	NA	0.42 U	0.4 U
P,P'-DDT	µg/kg	NE	NE	NE		0.2 J	0.45 J	NA	NA	0.38 J	NA	1	0.96
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.4	0.68	NA	NA	0.58	NA	1.2	1.2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.93	1.3	NA	NA	1.1	NA	1.8	1.7
ALDRIN	µg/kg	2	NE	NE		0.34 U	0.39 U	NA	NA	0.33 U	NA	0.35 U	0.34 U
DIELDRIN	µg/kg	0.07	NE	NE		0.33 U	0.38 U	NA	NA	0.32 U	NA	0.34 U	0.33 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.14 UJ	0.16 UJ	NA	NA	0.13 UJ	NA	0.14 UJ	0.14 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.27 U	0.31 U	NA	NA	0.26 U	NA	0.28 U	0.27 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.27 U	0.32 U	NA	NA	0.27 U	NA	0.28 U	0.28 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.41 U	0.48 U	NA	NA	0.41 U	NA	0.43 U	0.42 U
Oxychlordane	µg/kg	NE	NE	NE		0.55 U	0.64 U	NA	NA	0.54 U	NA	0.57 U	0.56 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.25 U	0.29 U	NA	NA	0.24 U	NA	0.26 U	0.25 U
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.55 U	0.64 U	NA	NA	0.54 U	NA	0.57 U	0.56 U
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		63.5	15.6	16.7	9.3	53.8	145	204	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		406	111	88.1	121	391	1080	1380	NA
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.84 J	0.892 J	0.778 J	0.777 J	4.11 J	10.6	15.1	NA
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**13.1**	**4.59 J**	**4.32 J**	**1.71 J**	**7.22**	**17.9**	**34**	NA
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		4.48 J	1.37 J	1.06 J	0.739 J	5.53	28	10.2	NA
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.85 J	0.896 J	0.788 J	0.593 J	3.85 J	18.3	7.42	NA
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		12.1	3.9 J	2.41 J	1.53 J	21.5	80.5	34.6	NA
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.97 J	0.482 U	0.607 U	0.673 U	1.75 J	3.81 J	5.25	NA
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5.65	2.34 J	1.7 J	0.811 J	9.88	56.6 J	15.7	NA
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.27 J	11.8	8.98	2.19 J	5.78	8.45	10.9	NA
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**2.09 J**	**0.878 J**	**0.924 J**	0.513 U	**3.64**	**27.4**	**5.39 J**	NA
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.48 J	1.01 J	1.04 J	0.545 J	4.4 J	14.7	9.27	NA
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**2.99 J**	0.583 U	**1.37 J**	**0.627 J**	**2.6 J**	**6.68 J**	**8.49**	NA
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.777 UJ	0.54 U	**0.858 J**	0.497 U	0.33 U	**1.7 J**	**3.25 J**	NA
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.305 U	0.223 U	0.429 U	0.451 U	0.199 U	**1.11**	**1.09**	NA
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		816	239	184 J	265 J	666	1800	3050	NA
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		101 J	24.9 J	25 J	13.5 J	107 J	372 J	307 J	NA
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		90.6 J	31.6 J	22.8 J	19.7 J	94.8 J	438	273 J	NA
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		125	24.4	24.7	17.7	80.6	128	536	NA
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2910	829	786	1070	2350	4940 J	9950 J	NA
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		34.5 J	33 J	30.9 J	10.1 J	45.4 J	129 J	98.6 J	NA
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		10.7 J	6.95 J	6.73 J	0.513 U	12.3 J	82.2 J	36.2 J	NA
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		5.96 J	11.9 J	8.8 J	0.583 J	5.13 J	11.2 J	41.2 J	NA
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.751 J	1.15 J	1.46 J	0.503 J	0.615 J	3.91 J	20.6 J	NA

Attachment C.1 (continued)
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					Location ID	SIB-112-OHW	SIB-112-TOB	SIB-112-TOB	SIB-112-TOB	SIB-113-TOB	SIB-113-TOB	SIB-114-OHW	SIB-114-TOB
					Sample ID	SIB-112-OHW-0-1-10042022	SIB-112-TOB-0-1-10052022	SIB-112-TOB-1-2-10052022	SIB-112-TOB-2-3-10052022	SIB-113-TOB-0-1-10042022	SIB-113-TOB-1-2-10042022	SIB-114-OHW-0-1-10042022	SIB-114-TOB-0-1-10042022
TOTAL HpCDFs	pg/g	NE	NE	NE		223 J	44.2 J	44.2 J	29 J	160 J	358	914 J	NA
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**13.2 J**	4.4 J	4.4 J	3 J	**15.3 J**	**66.8 J**	**40.5 J**	NA
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	21.4	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	218	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	22.1	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.6	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	29.4	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	113	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	28.9	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.6	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.6	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.8	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	21.8	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	20.5	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	21.2	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.6	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	19.6	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	234	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	57.5	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	41.9	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	198	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	151	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.9	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.1	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	73.1	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	85.4	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	458	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.1	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	8.82	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	113	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.4	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	322	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.9	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.61	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	43	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.3	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.34	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	103	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	49	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	699	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	147	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.1	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	169	NA	NA

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					Location ID	SIB-112-OHW	SIB-112-TOB	SIB-112-TOB	SIB-112-TOB	SIB-113-TOB	SIB-113-TOB	SIB-114-OHW	SIB-114-TOB
					Sample ID	SIB-112-OHW-0-1-10042022	SIB-112-TOB-0-1-10052022	SIB-112-TOB-1-2-10052022	SIB-112-TOB-2-3-10052022	SIB-113-TOB-0-1-10042022	SIB-113-TOB-1-2-10042022	SIB-114-OHW-0-1-10042022	SIB-114-TOB-0-1-10042022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	29.7	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	51	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.6	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.3	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	63.7	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	105	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	21.4	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.6	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.4	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	8.51	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	453	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.29	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	5.9	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.78	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	412	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.6	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.97	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	66.4	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	51.8	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.32	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	51.8	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.32	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	8.23	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.3	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.5	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	59.9	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.8	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.6	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	131	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.7	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	44.5	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	152	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	56	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	56.4	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	19.9	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	194	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.3	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	39.5	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	110	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.49	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.4	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	27.5	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	22.4	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	26.9	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	54.8	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	26.3	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	126	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-112-OHW	SIB-112-TOB	SIB-112-TOB	SIB-112-TOB	SIB-113-TOB	SIB-113-TOB	SIB-114-OHW	SIB-114-TOB
					Sample ID	SIB-112-OHW-0-1-10042022	SIB-112-TOB-0-1-10052022	SIB-112-TOB-1-2-10052022	SIB-112-TOB-2-3-10052022	SIB-113-TOB-0-1-10042022	SIB-113-TOB-1-2-10042022	SIB-114-OHW-0-1-10042022	SIB-114-TOB-0-1-10042022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	188	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	31.2	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.2	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	43.9	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	18.6	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	17.3	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	200	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	3.46	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	66.7	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	19.2	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	2.87	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	69	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.1	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	12.1	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	299	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.1	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.4	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.1	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.4	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	10.8	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.83	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	183	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	14.7	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.3	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	16.6	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	12	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7200	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	73.4	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	13.6	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.3	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	23.8	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	44.4	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	20.3	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	4.6	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	6.74	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	22.8	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	15.6	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	7.05	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	102	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	2.35	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	11.2	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	8.93	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.5	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	9.59	NA	NA

Attachment C.1 (continued)
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				Location ID	SIB-112-OHW	SIB-112-TOB	SIB-112-TOB	SIB-112-TOB	SIB-113-TOB	SIB-113-TOB	SIB-114-OHW	SIB-114-TOB
				Sample ID	SIB-112-OHW-0-1-10042022	SIB-112-TOB-0-1-10052022	SIB-112-TOB-1-2-10052022	SIB-112-TOB-2-3-10052022	SIB-113-TOB-0-1-10042022	SIB-113-TOB-1-2-10042022	SIB-114-OHW-0-1-10042022	SIB-114-TOB-0-1-10042022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	11.9	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.24	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	25.2	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.4	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.49	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.06	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	13.4	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.53	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	11	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	12.1	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	10.1	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	11.8	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.37	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	10.7	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.42	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.88	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.88	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.04	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	13.5	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.17	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.17	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.24	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	6.21	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	6.84	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.27	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.09	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.08	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.75	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	12.3	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	6.91	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.35	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.55	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	9.69	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	7.79	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	8.02	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	24400 J	NA	NA	NA	NA	7640 J	NA	21400 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	2 UJ	2 UJ	NA	NA	1.9 UJ	NA	2.1 UJ	2 UJ
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	4.2 U	4.2 U	NA	NA	4.1 U	NA	4.4 U	350
ARSENIC	mg/kg	3	NE	NE	**3.05**	**3.59**	**3.45**	**3.12**	**5.45**	**10.6**	2.64	**3.28**
CADMIUM	mg/kg	0.51	NE	NE	0.12	0.3	0.19	0.05 J	0.27	0.2	0.28	0.37
COPPER	mg/kg	359	NE	NE	42	33.4	28.3	19.1	33.1	29.8	68.2	36.7
LEAD	mg/kg	196	NE	NE	18.3	15.9	12.6	7.91	12.7	9.42	30.2	28.7
ZINC	mg/kg	459	NE	NE	107	157	114	61.8	108	95	156	139
MERCURY	mg/kg	0.085	NE	NE	0.00492 U	0.00504 U	0.0425 J	0.035 J	0.00522 U	0.0343 J	**0.101**	0.00506 U
Aroclor 1262	µg/kg	NE	NE	NE	2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	7.8 U	1.6 U

Attachment C.1 (continued)
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					Location ID	SIB-112-OHW	SIB-112-TOB	SIB-112-TOB	SIB-112-TOB	SIB-113-TOB	SIB-113-TOB	SIB-114-OHW	SIB-114-TOB
					Sample ID	SIB-112-OHW-0-1-10042022	SIB-112-TOB-0-1-10052022	SIB-112-TOB-1-2-10052022	SIB-112-TOB-2-3-10052022	SIB-113-TOB-0-1-10042022	SIB-113-TOB-1-2-10042022	SIB-114-OHW-0-1-10042022	SIB-114-TOB-0-1-10042022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	7.8 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	7.8 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	7.8 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	1.6 U	3.6 J	1.6 U	1.6 U	1.5 U	7.8 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		23.5	12.2	6.1	3.4 J	7.8	6.9 J	36.4 J	12.4
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		22	10.6	14.1	6.6	13.1	11.3 J	43.6 J	15.5
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.9 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**67.9**	**27.4**	**27.6**	**14.6**	**25.5**	**22.6**	**102**	**32.5**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		100 J	130 J	NA	NA	99 J	NA	**310 J**	**480 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.39 U	0.39 U	NA	NA	0.39 U	NA	0.42 U	0.39 U
ACENAPHTHENE	µg/kg	NE	NE	NE		2.6 J	1.6 J	NA	NA	1.1 J	NA	8.4	1.8 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		2.2 J	1.3 J	NA	NA	1.1 J	NA	5.6	0.91 J
ANTHRACENE	µg/kg	NE	NE	NE		3.4 J	2.5 J	NA	NA	1.3 J	NA	26	2.1 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		26	20	NA	NA	11	NA	160	22
BENZO(A)PYRENE	µg/kg	NE	NE	NE		45	41	NA	NA	27	NA	180	41
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		64	43	NA	NA	28	NA	310	60
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		25	22	NA	NA	16	NA	100	25
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		22	16	NA	NA	9.9	NA	100	20
CHRYSENE	µg/kg	NE	NE	NE		43	28	NA	NA	17	NA	280	36
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		5.8	4.6 J	NA	NA	2.8 J	NA	29	5.2
FLUORANTHENE	µg/kg	NE	NE	NE		67	41	NA	NA	21	NA	430	44
FLUORENE	µg/kg	NE	NE	NE		0.59 U	0.61 U	NA	NA	0.6 U	NA	0.64 U	0.59 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		32	27	NA	NA	17	NA	150	31
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.49 U	0.5 U	NA	NA	0.5 U	NA	0.53 U	0.49 U
PHENANTHRENE	µg/kg	NE	NE	NE		35	15	NA	NA	8.8	NA	150	15
PYRENE	µg/kg	NE	NE	NE		56	42	NA	NA	20	NA	390	40
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		430	306	NA	NA	183	NA	2320	345
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		63.3	54.8 J	NA	NA	35.5 J	NA	272	57.7
SOLIDS, PERCENT	%	NE	NE	NE		93.3	92.3	NA	NA	94.4	NA	88.6	93.6
TOTAL ORGANIC CARBON	%	NE	NE	NE		3.85	3.68	NA	NA	2.71	NA	7.83	3.17

Attachment C.1 (continued)
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					Location ID	SIB-114-TOB	SIB-114-TOB	SIB-115-OHW	SIB-115-TOB	SIB-115-TOB	SIB-116-TOB	SIB-116-TOB	SIB-117-MLW
					Sample ID	SIB-114-TOB-1-2-10042022	SIB-114-TOB-2-3-10042022	SIB-115-OHW-0-1-10042022	SIB-115-TOB-0-1-10042022	SIB-115-TOB-1-2-10042022	SIB-116-TOB-0-1-10042022	SIB-116-TOB-1-2-10042022	SIB-117-MLW-0-1-10032022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	NA	26	67	NA	25	NA	18
2,4'-DDD	µg/kg	NE	NE	NE		NA	NA	0.34 U	0.31 U	NA	0.26 U	NA	1.6
P,P'-DDD	µg/kg	NE	NE	NE		NA	NA	0.19 U	0.17 U	NA	0.15 U	NA	5
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		NA	NA	0.34 U	0.31 U	NA	0.26 U	NA	6.6
O,P'-DDE	µg/kg	NE	NE	NE		NA	NA	0.42 U	0.38 U	NA	0.33 U	NA	0.34 U
P,P'-DDE	µg/kg	NE	NE	NE		NA	NA	0.37 U	0.34 U	NA	0.46	NA	5.3
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		NA	NA	0.42 U	0.38 U	NA	0.63	NA	5.5
O,P'-DDT	µg/kg	NE	NE	NE		NA	NA	0.5 U	0.46 U	NA	0.39 U	NA	9.8
P,P'-DDT	µg/kg	NE	NE	NE		NA	NA	0.94	2.6	NA	1.8	NA	30
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		NA	NA	1.2	2.8	NA	2	NA	39.8
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		NA	NA	1.9	3.4	NA	2.8	NA	**51.9**
ALDRIN	µg/kg	2	NE	NE		NA	NA	0.42 U	0.38 U	NA	0.33 U	NA	0.34 U
DIELDRIN	µg/kg	0.07	NE	NE		NA	NA	0.41 U	0.37 U	NA	0.32 U	NA	0.33 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		NA	NA	0.17 UJ	0.15 UJ	NA	0.13 UJ	NA	0.13 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		NA	NA	0.33 U	0.57 J	NA	0.26 U	NA	0.35 J
BETA-CHLORDANE	µg/kg	NE	NE	NE		NA	NA	0.34 U	0.31 U	NA	0.26 U	NA	0.49 J
CIS-NONACHLOR	µg/kg	NE	NE	NE		NA	NA	0.52 U	0.62	NA	0.4 U	NA	0.41 U
Oxychlordane	µg/kg	NE	NE	NE		NA	NA	0.69 U	0.63 U	NA	0.53 U	NA	0.55 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		NA	NA	0.31 U	1.6	NA	0.24 U	NA	0.45 J
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		NA	NA	0.69 U	**3.3**	NA	0.53 U	NA	**1.8**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		14.8	14.7	94.4	35.6	23.9	23.1	16.4	185
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		185	123 J	1770	363	220	573	460	2530
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.874 J	0.897 J	5.69	2.22 J	1.29 J	1.67 J	0.865 J	10.5 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**2.72 J**	**2.37 J**	**15.9**	**4.46 J**	**2.31 J**	**4.43 J**	**3.48 J**	**12 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.06 J	1.31 J	14.3	4.02 J	2.01 J	5.37	3.9 J	6.58 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.926 J	0.518 U	4.01 J	1.92 J	1.26 J	1.6 J	0.687 J	4.4 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5.35	3.15 J	35.2	11.1	5.42	11.4	7.57	43.8
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.525 J	0.817 U	2.59 J	1.14 J	0.426 U	0.968 J	0.431 J	3.37 J
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.12 J	2.22 J	19.6	6.43	2.88 J	6.28	4.67 J	18.2 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.45	3.18 J	12.1	7.51	2.85 J	1.43 J	6.05	9.63 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.16 J**	**0.901 J**	**6.94**	**2.36 J**	**1.54 J**	**2.71**	**2.6 J**	**4.21 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.14 J	0.967 J	4.85 J	2.75 J	1.44 J	1.66 J	1.01 J	5.68 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**0.985 J**	**1.01 J**	**4.13 J**	**2.11 J**	**1.09 J**	**1.55 J**	**1.08 J**	**5.19 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		0.734 UJ	**0.873 J**	**2.31**	0.738 U	**1.47 J**	**1.42**	**1.05 J**	1.31 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.215 U	0.416 U	**1.36**	**0.339 J**	0.298 U	**0.519 J**	0.35 U	0.625 U
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		403	252	3860	819	438	1230	949	5170
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		24.9 J	19.6 J	160 J	60.5 J	32.5 J	45 J	30.1 J	236 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		46.7 J	30.9 J	344	93.8 J	46.6 J	119 J	85.6 J	388 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		24.8	29.7 J	195	68.2	52.6	44.9	33.1	645
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1310	1020 J	12600 J	2680	1840	4400 J	3730	18000
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		23.4 J	18 J	76.7 J	41.9 J	21.5 J	33.6 J	30.3 J	69.6 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		8.89 J	8.28 J	38.5 J	15.8 J	11.3 J	17.6 J	14.6 J	11.2 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		11.9 J	7.45 J	22.7 J	18.7 J	9.41 J	14.5 J	8.54 J	12.6 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		12.8 J	5.85 J	7.59 J	3.69 J	2.27 J	3.62 J	4.11 J	0.625 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-114-TOB	SIB-114-TOB	SIB-115-OHW	SIB-115-TOB	SIB-115-TOB	SIB-116-TOB	SIB-116-TOB	SIB-117-MLW
					Sample ID	SIB-114-TOB-1-2-10042022	SIB-114-TOB-2-3-10042022	SIB-115-OHW-0-1-10042022	SIB-115-TOB-0-1-10042022	SIB-115-TOB-1-2-10042022	SIB-116-TOB-0-1-10042022	SIB-116-TOB-1-2-10042022	SIB-117-MLW-0-1-10032022
TOTAL HpCDFs	pg/g	NE	NE	NE		44.4 J	44.1 J	362 J	104 J	64.5 J	73.5 J	52.9 J	855 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		5.8 J	4.4 J	**42.3 J**	**11.6 J**	6.8 J	**14.4 J**	**11.5 J**	**48.7 J**
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	29.6	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.9	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	31.8	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.7	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.8	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	84.1	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.2	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.4	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.6	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25.9	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	30	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	28.1	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	29.2	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25.7	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	27.1	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	647	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	169	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	128	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	653	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	449	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.7	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	64.4	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	203	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	267	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	1440	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	8.84	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.1	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	383	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.49	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	990	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.92	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.83	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	27.2	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	148	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.7	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.7	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	361	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	150	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	2690	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	541	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	38.5	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	45.8	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	653	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-114-TOB	SIB-114-TOB	SIB-115-OHW	SIB-115-TOB	SIB-115-TOB	SIB-116-TOB	SIB-116-TOB	SIB-117-MLW
					Sample ID	SIB-114-TOB-1-2-10042022	SIB-114-TOB-2-3-10042022	SIB-115-OHW-0-1-10042022	SIB-115-TOB-0-1-10042022	SIB-115-TOB-1-2-10042022	SIB-116-TOB-0-1-10042022	SIB-116-TOB-1-2-10042022	SIB-117-MLW-0-1-10032022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	84.4	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	178	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	86.4	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	30.4	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	396	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	350	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.6	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	39.3	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	79.8	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.64	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	1530	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	4.95	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	4.65	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.36	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	1750	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.3	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.8	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	245	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	196	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	196	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.5	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25.6	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25.9	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	181	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	26.3	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.4	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	209	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.5	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	62.5	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	386	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	171	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	169	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	58.9	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	530	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	43.6	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	99	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	287	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.8	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	88.3	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	117	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	45.8	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	213	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	171	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	628	NA

Attachment C.1 (continued)
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					Location ID	SIB-114-TOB	SIB-114-TOB	SIB-115-OHW	SIB-115-TOB	SIB-115-TOB	SIB-116-TOB	SIB-116-TOB	SIB-117-MLW
					Sample ID	SIB-114-TOB-1-2-10042022	SIB-114-TOB-2-3-10042022	SIB-115-OHW-0-1-10042022	SIB-115-TOB-0-1-10042022	SIB-115-TOB-1-2-10042022	SIB-116-TOB-0-1-10042022	SIB-116-TOB-1-2-10042022	SIB-117-MLW-0-1-10032022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	940	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	38.1	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	118	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	30.2	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	225	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	30.9	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	28.7	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	883	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	5.38	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	368	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	31.9	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.99	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	319	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	50.4	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.1	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	28.7	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	56.2	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	1300	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.8	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.2	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	21.8	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.2	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.3	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.7	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	786	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	24.4	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.1	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	30.6	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23.1	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	25300	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	405	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	36.7	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.7	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.1	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	185	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	30	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	6.41	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.8	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	92.2	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	23	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.6	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	502	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	3.1	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	47.4	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.5	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.5	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.7	NA

Attachment C.1 (continued)
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					Location ID	SIB-114-TOB	SIB-114-TOB	SIB-115-OHW	SIB-115-TOB	SIB-115-TOB	SIB-116-TOB	SIB-116-TOB	SIB-117-MLW
					Sample ID	SIB-114-TOB-1-2-10042022	SIB-114-TOB-2-3-10042022	SIB-115-OHW-0-1-10042022	SIB-115-TOB-0-1-10042022	SIB-115-TOB-1-2-10042022	SIB-116-TOB-0-1-10042022	SIB-116-TOB-1-2-10042022	SIB-117-MLW-0-1-10032022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.6	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.1	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	98.4	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.3	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.8	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	52.8	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.6	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.2	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.5	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	20.5	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.5	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	16.5	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.1	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	15.8	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	30	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.1	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	35.6	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.6	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	14.6	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.5	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	9.97	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13.2	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.4	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	13	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	12.4	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	34	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	11.1	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19.9	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	17.9	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	22.1	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	18.5	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	19	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	NA	NA	32600 J	26100 J	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	NA	2.1 UJ	2 UJ	NA	2 UJ	NA	2.3 UJ
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	NA	370	4.3 U	NA	4.2 U	NA	4.9 U
ARSENIC	mg/kg	3	NE	NE		**3.89**	**3.69**	**3.25**	**4.95**	**4.25**	**3.65**	**3.43**	**6.15**
CADMIUM	mg/kg	0.51	NE	NE		0.29	0.21	0.3	**0.52**	0.3	0.21	0.17	0.1 J
COPPER	mg/kg	359	NE	NE		37.6	30.6	65	56	55.1	51.6	40.5	71.6
LEAD	mg/kg	196	NE	NE		22.9	18.5	28.2	75.6	64.3	23.5	14.5	58.3
ZINC	mg/kg	459	NE	NE		133	104	153	138	134	157	140	86.8
MERCURY	mg/kg	0.085	NE	NE		0.0467 J	0.0369 J	0.0763	0.00566 U	0.0389 J	0.00531 U	0.0372 J	**0.577**
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	2.9 U	2.9 U	0.6 U	2.9 U	0.6 U	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U	7.8 U

Attachment C.1 (continued)
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					Location ID	SIB-114-TOB	SIB-114-TOB	SIB-115-OHW	SIB-115-TOB	SIB-115-TOB	SIB-116-TOB	SIB-116-TOB	SIB-117-MLW
					Sample ID	SIB-114-TOB-1-2-10042022	SIB-114-TOB-2-3-10042022	SIB-115-OHW-0-1-10042022	SIB-115-TOB-0-1-10042022	SIB-115-TOB-1-2-10042022	SIB-116-TOB-0-1-10042022	SIB-116-TOB-1-2-10042022	SIB-117-MLW-0-1-10032022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		9.2	6.3	7.8 U	7.8 U	9.5 J	7.8 U	12.5	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		17.9	8.1	37.2	43.1	12.8 J	40.6	18.3	348
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		17.1	15	62.4	34.4	18.3 J	34.5	21.6	215
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	2.9 U	2.9 U	0.6 U	2.9 U	0.6 U	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**48**	**33.2**	**122**	**99.9**	**44.4**	**97.5**	**56.2**	**585**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		130	**150**	**160 J**	**190 J**	110 J	120 J	NA	130 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	NA	0.4 U	0.41 U	NA	0.39 U	NA	0.45 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	NA	3.6 J	9.2	NA	2.2 J	NA	5.4 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	NA	2.6 J	1.6 J	NA	1.1 J	NA	6.8
ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	6.2	9.4	NA	2.7 J	NA	14
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	46	130	NA	26	NA	45
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	NA	65	210	NA	44	NA	69
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	200	260	NA	97	NA	140
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	NA	45	120	NA	27	NA	78
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	55	97	NA	28	NA	43
CHRYSENE	µg/kg	NE	NE	NE		NA	NA	150	180	NA	62	NA	84
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	NA	9.8	30	NA	5.7	NA	17
FLUORANTHENE	µg/kg	NE	NE	NE		NA	NA	190	190	NA	82	NA	120
FLUORENE	µg/kg	NE	NE	NE		NA	NA	0.62 U	0.62 U	NA	0.6 U	NA	0.69 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	NA	58	160	NA	33	NA	93
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	NA	0.51 U	0.51 U	NA	0.5 U	NA	0.57 U
PHENANTHRENE	µg/kg	NE	NE	NE		NA	NA	64	53	NA	27	NA	55
PYRENE	µg/kg	NE	NE	NE		NA	NA	140	210	NA	64	NA	100
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	NA	1040	1660	NA	502	NA	871
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	NA	106	296	NA	65.6	NA	114
SOLIDS, PERCENT	%	NE	NE	NE		92.6	93.9	89.2	91.2	91.3	91.9	NA	80.4
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	NA	5.56	3.03	NA	3.02	NA	0.38

Attachment C.1 (continued)
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					Location ID	SIB-117-OHW	SIB-117-TOB	SIB-118-OHW	SIB-118-TOB	SIB-118-TOB	SIB-119-OHW	SIB-119-OHW	SIB-119-TOB
					Sample ID	SIB-117-OHW-0-1-10032022	SIB-117-TOB-0-1-10042022	SIB-118-OHW-0-1-10032022	SIB-118-TOB-0-1-10042022	SIB-118-TOB-1-2-10042022	SIB-119-OHW-0-1-10032022	SIB-119-OHW-1-2-10032022	SIB-119-TOB-0-1-10042022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		28	42	15	22	NA	37	NA	17
2,4'-DDD	µg/kg	NE	NE	NE		3.5	0.25 U	0.24 U	0.36 U	NA	0.25 U	NA	0.26 U
P,P'-DDD	µg/kg	NE	NE	NE		16	0.47	0.14 U	0.2 U	NA	0.31 J	NA	0.26 J
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		19.5	0.6	0.24 U	0.36 U	NA	0.44	NA	0.39
O,P'-DDE	µg/kg	NE	NE	NE		0.4 U	0.31 U	0.3 U	0.45 U	NA	0.31 U	NA	0.32 U
P,P'-DDE	µg/kg	NE	NE	NE		2	6.1	0.27 U	0.45 J	NA	0.75	NA	4.9
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		2.2	6.3	0.3 U	0.68	NA	0.91	NA	5.1
O,P'-DDT	µg/kg	NE	NE	NE		12	0.91	0.35 U	0.53 U	NA	0.52	NA	0.45
P,P'-DDT	µg/kg	NE	NE	NE		43	12	0.82	2	NA	2.5	NA	7.5
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		55	12.9	1	2.3	NA	3	NA	8
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**76.7**	**19.8**	1.5	3.2	NA	4.4	NA	**13.4**
ALDRIN	µg/kg	2	NE	NE		0.4 U	0.31 U	0.3 U	0.45 U	NA	0.31 U	NA	0.32 U
DIELDRIN	µg/kg	0.07	NE	NE		0.39 U	**0.42 J**	0.29 U	0.44 U	NA	0.3 U	NA	**0.54 J**
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 UJ	0.13 UJ	0.12 UJ	0.18 UJ	NA	0.13 UJ	NA	0.13 UJ
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.31 U	0.25 U	0.24 U	1.4	NA	0.25 U	NA	0.26 U
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.32 U	0.26 U	0.24 U	1 J	NA	0.25 U	NA	0.26 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.48 U	0.38 U	0.37 U	1.6	NA	0.38 U	NA	0.4 U
Oxychlordane	µg/kg	NE	NE	NE		0.65 U	0.51 U	0.49 U	0.91 J	NA	0.51 U	NA	0.53 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.29 U	0.62 J	0.41 J	5.7	NA	0.31 J	NA	0.4 J
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.65 U	1.3	1.1	**10.6**	NA	1	NA	1.1
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		106	25.4	70.7	71.6	76.5	931	179	11.2
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2720	418	1450	2000	2360	2910	661	120
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		9.02 J	1.38 J	3.79 J	4.15 J	4.5 J	59.7	11.3	1.13 U
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**20.5 J**	**3.45 J**	**7.06**	**18.5 J**	**17.5 J**	**75.2**	**16.5**	**1.99 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		11.9 J	4.01 J	4.51 J	7.92 J	10.2 J	14 J	3.02 J	1.35 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.98 J	1.49 J	2.42 J	2.55 J	1.97 J	14.2 J	3.29 J	0.69 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		38.5	9.03	20.3	30.4	29.9	85.5	16.2 J	3.31 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.99 U	0.761 J	1.75 J	1.99 U	1.4 U	11.7 J	2.36 J	0.298 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		16 J	5.41	7.91	13.1 J	14.8 J	19.4 J	4.65 J	2.12 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		10.2 J	1.49 J	2.37 J	37.8	36.5	25.4	8.7	4.68 J
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**6.41 J**	**2.13 J**	**1.97 J**	**4.69 J**	**5.02 J**	**7.27 J**	**1.91 J**	**1.18 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		5.78 J	1.76 J	2.69 J	4.58 J	2.66 J	22.2 J	4.52 J	0.828 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**6.82 J**	**2.24 J**	**2.52 J**	**4.11 J**	**4.14 J**	**13.2 J**	**3.34 J**	**0.75 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		3.62 U	**1.85 J**	**1.51**	1.06 U	2.04 U	0.299 U	**2.26 J**	0.308 U
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		1.29 U	**0.359 J**	**0.466 J**	**1.04 J**	1.28 U	0.836 U	0.378 U	**0.237 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		5340	865	2900	3980	4610	5790	1210 J	263
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		190 J	41.5 J	104 J	124 J	130 J	1030 J	207 J	16.5 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		387 J	89.4 J	218 J	300 J	332 J	419	94.9 J	30.6 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		267	46.3	198	177	215	3950	854	18
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		18900	3030	9900 J	12900	16400	19400	5130 J	938
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		225 J	37.9 J	38 J	117 J	113 J	168 J	45.9 J	18.1 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		33.6 J	15.8 J	15.6 J	23.2 J	29.7 J	32.5 J	10.4 J	7.12 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		113 J	22.6 J	13.2 J	39.5 J	33.8 J	43.1	19.7 J	7.73 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.95 J	5.14 J	4.7 J	2.11 J	1.28 U	3.22 J	2.02 J	1.49 J

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-117-OHW	SIB-117-TOB	SIB-118-OHW	SIB-118-TOB	SIB-118-TOB	SIB-119-OHW	SIB-119-OHW	SIB-119-TOB
					Sample ID	SIB-117-OHW-0-1-10032022	SIB-117-TOB-0-1-10042022	SIB-118-OHW-0-1-10032022	SIB-118-TOB-0-1-10042022	SIB-118-TOB-1-2-10042022	SIB-119-OHW-0-1-10032022	SIB-119-OHW-1-2-10032022	SIB-119-TOB-0-1-10042022
TOTAL HpCDFs	pg/g	NE	NE	NE		392 J	73.3 J	279 J	278 J	313 J	5090	855 J	31.6
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		**53.7 J**	**11.4 J**	**26.4 J**	**40.6 J**	**45.3 J**	**82.7 J**	**19 J**	4.4 J
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-117-OHW	SIB-117-TOB	SIB-118-OHW	SIB-118-TOB	SIB-118-TOB	SIB-119-OHW	SIB-119-OHW	SIB-119-TOB
					Sample ID	SIB-117-OHW-0-1-10032022	SIB-117-TOB-0-1-10042022	SIB-118-OHW-0-1-10032022	SIB-118-TOB-0-1-10042022	SIB-118-TOB-1-2-10042022	SIB-119-OHW-0-1-10032022	SIB-119-OHW-1-2-10032022	SIB-119-TOB-0-1-10042022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-117-OHW	SIB-117-TOB	SIB-118-OHW	SIB-118-TOB	SIB-118-TOB	SIB-119-OHW	SIB-119-OHW	SIB-119-TOB
					Sample ID	SIB-117-OHW-0-1-10032022	SIB-117-TOB-0-1-10042022	SIB-118-OHW-0-1-10032022	SIB-118-TOB-0-1-10042022	SIB-118-TOB-1-2-10042022	SIB-119-OHW-0-1-10032022	SIB-119-OHW-1-2-10032022	SIB-119-TOB-0-1-10042022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
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					Location ID	SIB-117-OHW	SIB-117-TOB	SIB-118-OHW	SIB-118-TOB	SIB-118-TOB	SIB-119-OHW	SIB-119-OHW	SIB-119-TOB
					Sample ID	SIB-117-OHW-0-1-10032022	SIB-117-TOB-0-1-10042022	SIB-118-OHW-0-1-10032022	SIB-118-TOB-0-1-10042022	SIB-118-TOB-1-2-10042022	SIB-119-OHW-0-1-10032022	SIB-119-OHW-1-2-10032022	SIB-119-TOB-0-1-10042022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	33100 J	NA	NA	NA	NA	22400 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.1 UJ	2 UJ	**140 J**	2.2 UJ	NA	2 UJ	NA	2 UJ
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		4.4 U	290	820 J	480	NA	4.4 U	NA	4.2 U
ARSENIC	mg/kg	3	NE	NE		2.14	**4.72**	2.59	2.5	NA	2.22	**3.31**	**3.42**
CADMIUM	mg/kg	0.51	NE	NE		0.24	0.29	0.15	0.5	NA	0.23	0.07 J	0.22
COPPER	mg/kg	359	NE	NE		81.7	57.8	38.3	57.6	NA	111	63.8	36.2
LEAD	mg/kg	196	NE	NE		26.8	30.1	22.8	25.8	NA	45.3	29.8	18.1
ZINC	mg/kg	459	NE	NE		145	137	91.8	172	NA	124	83.8	108
MERCURY	mg/kg	0.085	NE	NE		0.0726	**0.105**	0.0796	0.0756	NA	**0.0863**	0.0322 J	**0.396**
Aroclor 1262	µg/kg	NE	NE	NE		14.7 U	2.9 U	2.9 U	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		39 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U

Attachment C.1 (continued)
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					Location ID	SIB-117-OHW	SIB-117-TOB	SIB-118-OHW	SIB-118-TOB	SIB-118-TOB	SIB-119-OHW	SIB-119-OHW	SIB-119-TOB
					Sample ID	SIB-117-OHW-0-1-10032022	SIB-117-TOB-0-1-10042022	SIB-118-OHW-0-1-10032022	SIB-118-TOB-0-1-10042022	SIB-118-TOB-1-2-10042022	SIB-119-OHW-0-1-10032022	SIB-119-OHW-1-2-10032022	SIB-119-TOB-0-1-10042022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		39 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		39 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		39 U	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	1.6 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		39 U	7.8 U	7.8 U	7.8 U	110	7.8 U	29.4	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		2250	20	20.8	113	163	63.6 J	31.8	33.2
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		544	31.1	49.7	50.1	64.1	66 J	29.3	15.7
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		14.7 U	2.9 U	2.9 U	2.9 U	0.6 U	2.9 U	0.6 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**2910**	**73.5**	**92.9**	**186**	**341**	**152**	**94.3**	**53.5**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		**180 J**	**200 J**	110 J	100 J	NA	**300 J**	**230**	100 J
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.4 U	0.4 U	0.39 U	0.45 U	NA	0.41 U	NA	0.39 U
ACENAPHTHENE	µg/kg	NE	NE	NE		4.5 J	2.9 J	2.5 J	9.5	NA	6.3	NA	1.8 J
ACENAPHTHYLENE	µg/kg	NE	NE	NE		4.3 J	1.4 J	5 J	4.2 J	NA	22	NA	0.87 J
ANTHRACENE	µg/kg	NE	NE	NE		7.7	3.1 J	6.1	14	NA	23	NA	1.7 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		48	30	25	120	NA	81	NA	13
BENZO(A)PYRENE	µg/kg	NE	NE	NE		79	52	39	220	NA	180	NA	27
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		210	95	93	340	NA	370	NA	36
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		53	34	34	110	NA	130	NA	15
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		51	30	26	120	NA	120	NA	12
CHRYSENE	µg/kg	NE	NE	NE		150	72	68	220	NA	220	NA	23
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		12	7.3	7.9	30	NA	34	NA	3.1 J
FLUORANTHENE	µg/kg	NE	NE	NE		170	83	86	200	NA	190	NA	36
FLUORENE	µg/kg	NE	NE	NE		0.62 U	0.61 U	0.6 U	0.68 U	NA	0.63 U	NA	0.6 U
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		64	41	41	150	NA	190	NA	17
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.51 U	0.5 U	0.49 U	0.56 U	NA	0.52 U	NA	0.49 U
PHENANTHRENE	µg/kg	NE	NE	NE		53	28	39	70	NA	65	NA	14
PYRENE	µg/kg	NE	NE	NE		140	65	72	180	NA	160	NA	30
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		1050	545	545	1790	NA	1790	NA	231
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		124	76.3	63.1	312	NA	280	NA	36.8 J
SOLIDS, PERCENT	%	NE	NE	NE		89.9	90.9	94.6	82.4	NA	89.5	93.6	93.9
TOTAL ORGANIC CARBON	%	NE	NE	NE		5.86	3.85	1.89	16.5	NA	7.73	NA	3.72

Attachment C.1 (continued)
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					Location ID	SIB-119-TOB	SIB-120-MLW	SIB-120-OHW	SIB-120-OHW	SIB-120-TOB	SIB-121-MLW	SIB-121-OHW	SIB-121-TOB
					Sample ID	SIB-119-TOB-1-2-10042022	SIB-120-MLW-0-1-10032022	SIB-120-OHW-0-1-10032022	SIB-120-OHW-1-2-10032022	SIB-120-TOB-0-1-10032022	SIB-121-MLW-0-1-10262022	SIB-121-OHW-0-1-10262022	SIB-121-TOB-0-1-10262022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		NA	0.51 U	53	NA	15	0.67 U	54 J	11.45 J
2,4'-DDD	µg/kg	NE	NE	NE		0.27 U	0.25 U	0.33 U	NA	0.32 U	0.42 U	0.28 U	0.29 U
P,P'-DDD	µg/kg	NE	NE	NE		0.25 J	0.14 U	0.32 J	NA	1	0.34 J	0.17 J	0.16 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.39	0.25 U	0.49	NA	1.2	0.55	0.31	0.29 U
O,P'-DDE	µg/kg	NE	NE	NE		0.33 U	0.31 U	0.42 U	NA	0.4 U	0.52 U	0.34 U	0.36 U
P,P'-DDE	µg/kg	NE	NE	NE		7.9	0.28 U	0.52	NA	30	0.46 U	0.34 J	0.32 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		8.1	0.31 U	0.73	NA	30.2	0.52 U	0.51	0.36 U
O,P'-DDT	µg/kg	NE	NE	NE		0.56	0.37 U	0.59	NA	2.5	0.62 U	0.41 U	0.43 U
P,P'-DDT	µg/kg	NE	NE	NE		10	0.19 U	2.8	NA	33	0.31 U	0.94	0.595 J
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		10.6	0.37 U	3.4	NA	35.5	0.62 U	1.1	0.81
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		**19**	0.37 U	4.6	NA	**66.9**	1.5	2	1.4
ALDRIN	µg/kg	2	NE	NE		0.33 U	0.31 U	0.42 U	NA	0.4 U	0.52 U	0.34 U	0.36 U
DIELDRIN	µg/kg	0.07	NE	NE		**0.72 J**	0.31 U	0.41 U	NA	**0.64 J**	0.51 UJ	**0.36 J**	0.35 UJ
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.13 U	0.13 UJ	0.17 UJ	NA	0.16 UJ	0.21 U	0.14 U	0.14 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.26 U	0.25 U	0.33 U	NA	0.31 U	0.41 U	1.7	0.77 J
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.27 U	0.25 U	0.34 U	NA	0.32 U	0.42 U	0.28 U	0.29 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.41 U	0.38 U	0.51 U	NA	0.76	0.64 U	2.2	1.75
Oxychlordane	µg/kg	NE	NE	NE		0.55 U	0.51 U	0.69 U	NA	0.65 U	0.85 U	0.97	0.73 J
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.48 J	0.23 U	0.39 J	NA	2.6	0.38 U	7	5.9
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		1.2	0.51 U	1.3	NA	**4**	0.85 U	**12**	**9.3**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		12.4	4.09 J	991	318	31	4.03 J	133	14
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		117	20.3	4110	1430	92.8	22.15	580	102.4
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.749 J	0.524 U	136	47.4	19.9	0.577 U	8.13	0.905 J
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**2.33 J**	**0.85 J**	**300**	**111**	**18.1**	0.292 U	**12.4**	**5.395 J**
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.43 J	0.416 U	17.1 J	5.69 J	1.2 J	0.413 J	5.65	1.945 J
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.577 J	0.364 J	50.3	18.3	2.27 J	0.29 UJ	3.45 J	0.9255 J
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.14 J	0.872 J	99.8	38	3.13 J	1.0885 J	18.9	4.2 J
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.479 U	0.382 U	47.5	16.1	1.33 J	0.469 U	2.03 J	0.28 U
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.68 J	0.619 J	24.6 J	9.98 J	2.03 J	0.599 J	8.02	1.7145 J
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		6.01	1.3 J	9.27 J	6.26	1.59 J	0.367 U	8.67	8.14
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.17 J**	0.299 U	**10.6 J**	**4.37**	**0.952 J**	0.369 U	**2.87 J**	**1.65 J**
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.729 J	0.339 J	67.7	24.8	1.48 J	0.32 U	3.78 J	1.2 J
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**0.962 J**	0.372 U	**41.9**	**14.3**	**1.4 J**	0.302 U	**3.49 J**	**1.041 J**
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**1.18 J**	0.257 UJ	1.42 UJ	**1.97**	**1.52 J**	0.655 U	**3.13**	**3.96 J**
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.311 U	0.184 U	**1.18 J**	**0.469 J**	**0.28 J**	0.226 U	**0.668 J**	**0.304 J**
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		227	37.4	8890	2960	182	43.1	1230 J	217
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		17.1 J	6.39 J	1930 J	666 J	49.2 J	6.36 J	175 J	27.7 J
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		27.5 J	5.28 J	666 J	239 J	25.8 J	6.425 J	127 J	36.3 J
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		24.5	5.98 J	1460	573	107	6.095 J	530	26.95
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1070	135	31800 J	12400 J	673	152.5	4440 J	745
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		23.4 J	5.38 J	292 J	104 J	69.5 J	2.695 J	49.6 J	38 J
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		10.5 J	0.299 U	43.8 J	22.6 J	7.34 J	1.07 J	20.7 J	10.335 J
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		13.6 J	0.577 J	32.9 J	15.5 J	28.5 J	0.655 U	32.7	28.95 J
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.17 J	0.184 U	4.32 J	4.13 J	1.68 J	0.555 J	8.63 J	1.455 J

Attachment C.1 (continued)
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					Location ID	SIB-119-TOB	SIB-120-MLW	SIB-120-OHW	SIB-120-OHW	SIB-120-TOB	SIB-121-MLW	SIB-121-OHW	SIB-121-TOB
					Sample ID	SIB-119-TOB-1-2-10042022	SIB-120-MLW-0-1-10032022	SIB-120-OHW-0-1-10032022	SIB-120-OHW-1-2-10032022	SIB-120-TOB-0-1-10032022	SIB-121-MLW-0-1-10262022	SIB-121-OHW-0-1-10262022	SIB-121-TOB-0-1-10262022
TOTAL HpCDFs	pg/g	NE	NE	NE		35.9 J	10.2 J	3780 J	1210 J	105 J	11.5 J	675 J	39.3 J
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		4.6 J	0.98 J	**148 J**	**53.7 J**	6.5 J	0.91	**19.3 J**	5.9
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-119-TOB	SIB-120-MLW	SIB-120-OHW	SIB-120-OHW	SIB-120-TOB	SIB-121-MLW	SIB-121-OHW	SIB-121-TOB
					Sample ID	SIB-119-TOB-1-2-10042022	SIB-120-MLW-0-1-10032022	SIB-120-OHW-0-1-10032022	SIB-120-OHW-1-2-10032022	SIB-120-TOB-0-1-10032022	SIB-121-MLW-0-1-10262022	SIB-121-OHW-0-1-10262022	SIB-121-TOB-0-1-10262022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-119-TOB	SIB-120-MLW	SIB-120-OHW	SIB-120-OHW	SIB-120-TOB	SIB-121-MLW	SIB-121-OHW	SIB-121-TOB
					Sample ID	SIB-119-TOB-1-2-10042022	SIB-120-MLW-0-1-10032022	SIB-120-OHW-0-1-10032022	SIB-120-OHW-1-2-10032022	SIB-120-TOB-0-1-10032022	SIB-121-MLW-0-1-10262022	SIB-121-OHW-0-1-10262022	SIB-121-TOB-0-1-10262022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-119-TOB	SIB-120-MLW	SIB-120-OHW	SIB-120-OHW	SIB-120-TOB	SIB-121-MLW	SIB-121-OHW	SIB-121-TOB
					Sample ID	SIB-119-TOB-1-2-10042022	SIB-120-MLW-0-1-10032022	SIB-120-OHW-0-1-10032022	SIB-120-OHW-1-2-10032022	SIB-120-TOB-0-1-10032022	SIB-121-MLW-0-1-10262022	SIB-121-OHW-0-1-10262022	SIB-121-TOB-0-1-10262022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		NA	NA	NA	NA	NA	3600 J	59500 J	87800 J
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		NA	2.1 UJ	2 UJ	NA	2 UJ	2.8 U	22 U	56 J
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		NA	4.6 U	500	NA	4.3 U	6.1 U	530 J	470 J
ARSENIC	mg/kg	3	NE	NE		**4.26**	**11.9**	**4.25**	**3.2**	**4.35**	**4.25**	**5.52**	**3.18**
CADMIUM	mg/kg	0.51	NE	NE		0.19	0.1 J	0.19	0.11	0.24	0.09 J	**0.54**	0.475
COPPER	mg/kg	359	NE	NE		33.8	18.8	74.6	40.8	44	20.3	104	60.35 J
LEAD	mg/kg	196	NE	NE		15.4	6.01	30	16.7	16.2	11.2	46.3	92.75 J
ZINC	mg/kg	459	NE	NE		112	56.8	147	96.4	120	81.55	228	164
MERCURY	mg/kg	0.085	NE	NE		0.0556 J	0.00863 J	0.0437	0.0418 J	0.00475 U	0.0388	0.066	0.03155
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U	2.9 UJ	2.9 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-119-TOB	SIB-120-MLW	SIB-120-OHW	SIB-120-OHW	SIB-120-TOB	SIB-121-MLW	SIB-121-OHW	SIB-121-TOB
					Sample ID	SIB-119-TOB-1-2-10042022	SIB-120-MLW-0-1-10032022	SIB-120-OHW-0-1-10032022	SIB-120-OHW-1-2-10032022	SIB-120-TOB-0-1-10032022	SIB-121-MLW-0-1-10262022	SIB-121-OHW-0-1-10262022	SIB-121-TOB-0-1-10262022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	1.6 U	7.8 U	7.8 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		10	1.6 U	7.8 U	25.6	1.6 U	1.6 U	7.8 UJ	7.8 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		13.5	4 J	74.8 J	21.7	18.2	4.1 J	84.9 J	45.1
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		16.2	4.4	62.3 J	19.5	17.2	3.3 J	70 J	60.05
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	0.6 U	2.9 UJ	2.9 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**43.5**	**13**	**160**	**70.6**	**40**	**9.1**	**177**	**128**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		NA	11 U	**230 J**	NA	70 J	**140 J**	**510 J**	**5620 J**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		NA	0.42 U	0.4 U	NA	0.41 U	0.57 U	260 J	0.41 U
ACENAPHTHENE	µg/kg	NE	NE	NE		NA	0.34 U	5.9	NA	1.2 J	0.46 U	650 J	0.33 U
ACENAPHTHYLENE	µg/kg	NE	NE	NE		NA	0.32 U	11	NA	0.73 J	0.43 U	12	0.31 U
ANTHRACENE	µg/kg	NE	NE	NE		NA	0.33 U	20	NA	1.6 J	15	800 J	24.5 J
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		NA	0.26 U	50	NA	12	48 J	1100 J	69.5 J
BENZO(A)PYRENE	µg/kg	NE	NE	NE		NA	3.5 J	100	NA	24	27.5 J	1100 J	117.5 J
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		NA	4.4 J	190	NA	26	42 J	1300 J	120 J
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		NA	1.5 J	81	NA	13	8.85 J	390 J	48.5
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		NA	1.3 J	53	NA	9.7	10.25 J	540 J	44.5 J
CHRYSENE	µg/kg	NE	NE	NE		NA	3.6 J	120	NA	17	22.45 J	1400 J	93 J
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		NA	0.26 U	19	NA	2.4 J	2.065 J	120	12.2
FLUORANTHENE	µg/kg	NE	NE	NE		NA	8.2	110	NA	25	85 J	3100	160 J
FLUORENE	µg/kg	NE	NE	NE		NA	0.65 U	0.62 U	NA	0.62 U	0.87 U	570 J	0.63 UJ
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		NA	1.6 J	100	NA	14	11.85 J	610 J	63.5 J
NAPHTHALENE	µg/kg	NE	NE	1E+05		NA	0.53 U	0.51 U	NA	0.51 U	0.72 U	430 J	0.52 UJ
PHENANTHRENE	µg/kg	NE	NE	NE		NA	0.67 U	41	NA	12	0.9 UJ	3300	99 J
PYRENE	µg/kg	NE	NE	NE		NA	5.4 J	100	NA	23	51.5 J	3000	165 J
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		NA	31.4	1000	NA	182	326	18700	1020
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		NA	4.3 J	154	NA	31.7 J	39.9	**1530 J**	156
SOLIDS, PERCENT	%	NE	NE	NE		93.1	85.6	89.6	NA	91.8	63.05	84.3	88.75
TOTAL ORGANIC CARBON	%	NE	NE	NE		NA	0.11	6.75	NA	3.24	0.25	10.3	7.225

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-122-MLW	SIB-122-MLW	SIB-122-OHW	SIB-122-TOB	SIB-122-TOB	SIB-123-OHW	SIB-123-TOB	SIB-123-TOB
					Sample ID	SIB-122-MLW-0-1-10262022	SIB-122-MLW-1-2-10262022	SIB-122-OHW-0-1-10262022	SIB-122-TOB-0-1-10262022	SIB-122-TOB-1-2-10262022	SIB-123-OHW-0-1-10262022	SIB-123-TOB-0-1-10262022	SIB-123-TOB-1-2-10262022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**									
Tributyltin Hydride	µg/kg	3080	NE	NE		0.85 J	NA	38	14	NA	25	60.5 J	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.37 U	NA	0.28 U	0.3 U	NA	0.29 U	0.27 U	0.26 U
P,P'-DDD	µg/kg	NE	NE	NE		0.21 U	NA	0.16 U	0.17 U	NA	0.28 J	0.2 J	0.15 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.37 U	NA	0.28 U	0.3 U	NA	0.43	0.27 U	0.26 U
O,P'-DDE	µg/kg	NE	NE	NE		0.46 U	NA	0.35 U	0.38 U	NA	0.36 U	0.34 U	0.33 U
P,P'-DDE	µg/kg	NE	NE	NE		0.41 U	NA	0.31 U	0.34 U	NA	0.32 U	0.3 U	0.29 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.46 U	NA	0.35 U	0.38 U	NA	0.36 U	0.34 U	0.33 U
O,P'-DDT	µg/kg	NE	NE	NE		0.55 U	NA	0.41 UJ	0.45 UJ	NA	0.43 UJ	0.41 UJ	0.39 U
P,P'-DDT	µg/kg	NE	NE	NE		0.28 U	NA	0.21 UJ	0.33 J	NA	1.3 J	0.905 J	1
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.55 U	NA	0.41 U	0.56	NA	1.5	1.1	1.2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		0.55 U	NA	0.41 U	1.2	NA	2.3	1.7	1.7
ALDRIN	µg/kg	2	NE	NE		0.46 U	NA	0.35 U	0.38 U	NA	0.36 U	0.34 U	0.33 U
DIELDRIN	µg/kg	0.07	NE	NE		0.45 UJ	NA	0.34 U	0.37 U	NA	0.35 U	**0.78 J**	**0.35 J**
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.18 U	NA	0.14 U	0.15 U	NA	0.14 U	0.14 U	0.13 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.36 U	NA	0.28 U	1.1	NA	0.28 U	0.44 J	0.32 J
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.37 U	NA	0.28 U	0.31 U	NA	0.29 U	0.28 U	0.27 U
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.56 U	NA	0.43 U	2.9 J	NA	0.44 U	0.48	0.7
Oxychlordane	µg/kg	NE	NE	NE		0.75 U	NA	0.57 U	0.97	NA	0.59 U	0.56 U	0.54 U
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.34 U	NA	0.26 U	8.6 J	NA	0.27 U	2.15	2.4
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.75 U	NA	0.57 U	**13.7**	NA	0.59 U	**3**	**3.8**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		16	NA	164	6.57	NA	80.7	31	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		159 J	NA	740	49.7	NA	1600	427	NA
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.611 U	NA	7.8	0.5 J	NA	4.47 J	2.445 J	NA
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**1.535 J**	NA	**15.7**	**1.93 J**	NA	**8.35**	**5.185 J**	NA
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		1.655 J	NA	5.55	0.838 J	NA	11.9	3.815 J	NA
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.945 J	NA	3.47 J	0.25 U	NA	3.8 J	1.99 J	NA
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		6.12	NA	26.2	2.43 J	NA	40.2 J	11.4 J	NA
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.378 U	NA	2.28 J	0.34 U	NA	3.4 J	1.25 J	NA
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		3.565 J	NA	13.2	3.13 J	NA	26.2 J	5.925	NA
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		0.917 J	NA	7.68	2.34 J	NA	7.25	5.835 J	NA
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		**1.0375 J**	NA	**4.35**	**1.29 J**	NA	**8.96**	**2.585 J**	NA
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.09 J	NA	4.22 J	0.672 J	NA	4.82 J	2.235 J	NA
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**0.8685 J**	NA	**2.85 J**	**0.502 J**	NA	**4.35 J**	**1.925 J**	NA
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**0.673 J**	NA	**2.37**	**0.782 J**	NA	**3.34 J**	**2.02 J**	NA
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.186 U	NA	**0.496 J**	0.222 U	NA	0.638 U	**0.379 J**	NA
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		307	NA	1380	111	NA	3190	993.5	NA
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		27.75 J	NA	205 J	12.4 J	NA	159 J	61.65 J	NA
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		38.7 J	NA	148 J	25.8 J	NA	370 J	115.5 J	NA
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		29.6	NA	765	10.2	NA	174	68.2	NA
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		985 J	NA	4920 J	375 J	NA	8620 J	2735	NA
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		14.75 J	NA	80.7 J	14.6 J	NA	54.9 J	28.25 J	NA
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		3.87 J	NA	22.5 J	7.3 J	NA	31.5 J	13.1 J	NA
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		3.7 J	NA	31.3 J	3.63 J	NA	19.3	12.68	NA
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		0.414 J	NA	4.01 J	0.642 J	NA	0.638 U	2.065 J	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-122-MLW	SIB-122-MLW	SIB-122-OHW	SIB-122-TOB	SIB-122-TOB	SIB-123-OHW	SIB-123-TOB	SIB-123-TOB
					Sample ID	SIB-122-MLW-0-1-10262022	SIB-122-MLW-1-2-10262022	SIB-122-OHW-0-1-10262022	SIB-122-TOB-0-1-10262022	SIB-122-TOB-1-2-10262022	SIB-123-OHW-0-1-10262022	SIB-123-TOB-0-1-10262022	SIB-123-TOB-1-2-10262022
TOTAL HpCDFs	pg/g	NE	NE	NE		47.55	NA	831 J	18.3 J	NA	280 J	104.9 J	NA
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE		4.9	NA	**24.1 J**	3.3 J	NA	**40.5 J**	**12.5**	NA
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

					Location ID	SIB-122-MLW	SIB-122-MLW	SIB-122-OHW	SIB-122-TOB	SIB-122-TOB	SIB-123-OHW	SIB-123-TOB	SIB-123-TOB
					Sample ID	SIB-122-MLW-0-1-10262022	SIB-122-MLW-1-2-10262022	SIB-122-OHW-0-1-10262022	SIB-122-TOB-0-1-10262022	SIB-122-TOB-1-2-10262022	SIB-123-OHW-0-1-10262022	SIB-123-TOB-0-1-10262022	SIB-123-TOB-1-2-10262022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-122-MLW	SIB-122-MLW	SIB-122-OHW	SIB-122-TOB	SIB-122-TOB	SIB-123-OHW	SIB-123-TOB	SIB-123-TOB
					Sample ID	SIB-122-MLW-0-1-10262022	SIB-122-MLW-1-2-10262022	SIB-122-OHW-0-1-10262022	SIB-122-TOB-0-1-10262022	SIB-122-TOB-1-2-10262022	SIB-123-OHW-0-1-10262022	SIB-123-TOB-0-1-10262022	SIB-123-TOB-1-2-10262022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-122-MLW	SIB-122-MLW	SIB-122-OHW	SIB-122-TOB	SIB-122-TOB	SIB-123-OHW	SIB-123-TOB	SIB-123-TOB
					Sample ID	SIB-122-MLW-0-1-10262022	SIB-122-MLW-1-2-10262022	SIB-122-OHW-0-1-10262022	SIB-122-TOB-0-1-10262022	SIB-122-TOB-1-2-10262022	SIB-123-OHW-0-1-10262022	SIB-123-TOB-0-1-10262022	SIB-123-TOB-1-2-10262022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE		NA	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05		9840 J	NA	NA	38800 J	NA	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE		2.3 U	NA	52 J	1.9 UJ	NA	59 J	2 UJ	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE		4.9 U	NA	380 J	4.1 UJ	NA	4.2 UJ	4.2 UJ	NA
ARSENIC	mg/kg	3	NE	NE		**5.825**	**6.17 J**	2.38	**3.2**	2.68 J	**36.6**	**29.5**	**23.8 J**
CADMIUM	mg/kg	0.51	NE	NE		0.1 J	0.06 J	0.25	0.16	0.1 J	0.24	0.485	0.47
COPPER	mg/kg	359	NE	NE		33.6	49.4	64.1	25.5	23.3	76.5	87.25	79.6
LEAD	mg/kg	196	NE	NE		15.55	14.9 J	14.5	10.1	7.61 J	26.1	24.7	21.8 J
ZINC	mg/kg	459	NE	NE		101.5	94.3	121	73	61.8	132	128	113
MERCURY	mg/kg	0.085	NE	NE		0.02285 J	0.0273 J	0.0409	0.0161 J	0.0188 J	**0.105**	0.02875	0.0531 J
Aroclor 1262	µg/kg	NE	NE	NE		0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U	0.5 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE		1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.3 U	1.6 U

Attachment C.1 (continued)
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				Location ID	SIB-122-MLW	SIB-122-MLW	SIB-122-OHW	SIB-122-TOB	SIB-122-TOB	SIB-123-OHW	SIB-123-TOB	SIB-123-TOB
				Sample ID	SIB-122-MLW-0-1-10262022	SIB-122-MLW-1-2-10262022	SIB-122-OHW-0-1-10262022	SIB-122-TOB-0-1-10262022	SIB-122-TOB-1-2-10262022	SIB-123-OHW-0-1-10262022	SIB-123-TOB-0-1-10262022	SIB-123-TOB-1-2-10262022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.3 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.3 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE	1.6 U	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.3 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE	1.9	1.6 U	7.8 U	1.6 U	1.6 U	7.8 U	1.3	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE	13	6.4 J	50.2	13.5	14.5 J	18 J	13.05	24.5 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE	6.45	6.3 J	33.5	7.2	9.7 J	21.2	9.45	20 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE	0.6 U	0.6 U	2.9 U	0.6 U	0.6 U	2.9 U	0.5 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200	**24.2**	**17.3**	**106**	**25.3**	**28.8**	**61.6**	**26.3**	**49.1**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE	51 J	NA	**560**	87 J	NA	**200**	**225 J**	**200**
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE	0.44 U	NA	0.4 U	0.37 U	NA	0.38 U	0.38 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE	0.36 U	NA	0.33 U	0.3 U	NA	0.31 U	29	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE	0.33 U	NA	0.31 U	0.28 U	NA	8.3	0.3	NA
ANTHRACENE	µg/kg	NE	NE	NE	0.34 U	NA	0.32 U	11	NA	20	60	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE	0.27 U	NA	34	30	NA	180	380	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE	5 J	NA	52	41	NA	170	340	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE	0.45 U	NA	78	47	NA	560	835	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE	2.3 J	NA	33	19	NA	120	235 J	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE	2.2 J	NA	26	18	NA	180	285	NA
CHRYSENE	µg/kg	NE	NE	NE	4.65 J	NA	61	36	NA	440	650	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE	0.34 J	NA	7	4.6 J	NA	30	56	NA
FLUORANTHENE	µg/kg	NE	NE	NE	0.74	NA	89	64	NA	750	1005	NA
FLUORENE	µg/kg	NE	NE	NE	0.67 U	NA	0.62 U	0.57 U	NA	0.58 U	20 J	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE	2.7 J	NA	42	24	NA	170	345	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05	0.55 U	NA	0.51 U	0.47 U	NA	0.48 U	0.48 U	NA
PHENANTHRENE	µg/kg	NE	NE	NE	0.69 U	NA	49	41	NA	220	325 J	NA
PYRENE	µg/kg	NE	NE	NE	0.38	NA	82	65	NA	620	915	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE	19.6	NA	554	402	NA	3470	5480	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05	5.5	NA	74.7	55.9 J	NA	293	556	NA
SOLIDS, PERCENT	%	NE	NE	NE	78.3	NA	90.4	94.9	NA	94.2	94.05	94.5
TOTAL ORGANIC CARBON	%	NE	NE	NE	0.27	NA	6.34	1	NA	1.51	1.71	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

					Location ID	SIB-124-MLW	SIB-124-OHW	SIB-124-TOB	SIB-125-MLW	SIB-125-OHW	SIB-125-TOB	SIB-125-TOB
					Sample ID	SIB-124-MLW-0-1-10262022	SIB-124-OHW-0-1-10262022	SIB-124-TOB-0-1-10262022	SIB-125-MLW-0-1-10262022	SIB-125-OHW-0-1-10262022	SIB-125-TOB-0-1-10262022	SIB-125-TOB-1-2-10262022
Chemical	**Unit**	**CUL**	**RAL**	**PTW**								
Tributyltin Hydride	µg/kg	3080	NE	NE		3.1	140 J	92 J	1.4 J	15	23 J	NA
2,4'-DDD	µg/kg	NE	NE	NE		0.32 U	0.32 U	0.27 U	0.35 U	0.27 U	0.27 U	0.27 U
P,P'-DDD	µg/kg	NE	NE	NE		0.24 J	0.69	0.43	0.2 U	0.72	0.225 J	0.15 U
Total DDD (Calculated U = 1/2)	µg/kg	114	NE	NE		0.4	0.85	0.57	0.35 U	0.86	0.36	0.27 U
O,P'-DDE	µg/kg	NE	NE	NE		0.4 U	0.4 U	0.34 U	0.44 U	0.34 U	0.33 U	0.34 U
P,P'-DDE	µg/kg	NE	NE	NE		0.35 U	0.35 U	0.3 U	1.7 J	0.43	0.3 U	0.3 U
Total DDE (Calculated U = 1/2)	µg/kg	50	NE	NE		0.4 U	0.4 U	0.34 U	1.9	0.6	0.33 U	0.34 U
O,P'-DDT	µg/kg	NE	NE	NE		0.47 UJ	1.3 J	0.4 UJ	0.53 U	0.91 J	0.4 U	0.4 U
P,P'-DDT	µg/kg	NE	NE	NE		0.24 UJ	8.7 J	1.5 J	0.43 J	4 J	1.45 J	0.99
Total DDT (Calculated U = 1/2)	µg/kg	246	NE	NE		0.47 U	10	1.7	0.7	4.9	1.7	1.2
Total DDx (Calculated U = 1/2)	µg/kg	6.1	160	7050		1.1	**11.2**	2.6	2.9	**6.4**	2.3	1.7
ALDRIN	µg/kg	2	NE	NE		0.4 U	0.4 U	0.34 U	0.44 U	0.34 U	0.33 U	0.34 U
DIELDRIN	µg/kg	0.07	NE	NE		0.39 U	0.39 UJ	0.33 U	0.43 UJ	0.33 U	0.32 U	0.33 U
GAMMA BHC (LINDANE)	µg/kg	5	NE	NE		0.16 U	0.16 U	0.14 U	0.18 U	0.14 U	0.13 U	0.14 U
ALPHA-CHLORDANE	µg/kg	NE	NE	NE		0.31 U	0.31 U	0.27 U	0.35 U	0.27 U	8.85	2.4
BETA-CHLORDANE	µg/kg	NE	NE	NE		0.32 U	0.32 U	0.27 U	0.36 U	0.27 U	6.3 J	0.88
CIS-NONACHLOR	µg/kg	NE	NE	NE		0.49 U	0.49 U	0.41 U	0.54 U	0.41 U	5.7	1.9
Oxychlordane	µg/kg	NE	NE	NE		0.65 U	0.65 U	0.55 U	0.73 U	0.55 U	3.55	1.2
TRANS-NONACHLOR	µg/kg	NE	NE	NE		0.29 U	0.29 U	0.25 U	0.33 U	0.25 U	18.5 J	6.8
Total Chlordane (Calculated U = 1/2)	µg/kg	1.4	NE	NE		0.65 U	0.65 U	0.55 U	0.73 U	0.55 U	**42.9**	**13.2**
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		88	192	188	4.79 J	483	47.25 J	NA
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		215	3540	9650	43.7 J	2020	214 J	NA
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		4.83 J	18.2 U	21.6 U	0.74 U	57.5	3.58 J	NA
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	pg/g	0.4	NE	400		**7.33 J**	**15.6 J**	**17.2 J**	0.512 U	**56.3**	**4.395 J**	NA
1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.1 U	16.8 U	19.1 U	0.672 U	8.47	2.735 J	NA
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		3.62 J	6.48 U	8.13 J	0.468 U	19.1	1.375 J	NA
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		7.72 J	100 J	93.7 J	2.06 J	62.8 J	7.08	NA
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		1.99 U	9.26 U	14.7 J	2.99 J	14.6 J	0.857 J	NA
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		5.07	23 J	47.2 J	1.22 J	18.3	4.605 J	NA
1,2,3,7,8-PENTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		14	10.4 J	10 J	0.426 UJ	12.1	6.67 J	NA
1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	pg/g	0.2	2.5	10		1.42 U	**12.4 J**	6.2 U	0.528 U	**4.84 J**	**1.56 J**	NA
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		2.87 J	7.84 U	7.06 J	0.484 U	23.5	1.98 J	NA
2,3,4,7,8-PENTACHLORODIBENZOFURAN	pg/g	0.3	200	200		**2.8 J**	**8.49 J**	**7.83 J**	**0.384 J**	**11**	**1.52 J**	NA
2,3,7,8-TETRACHLORODIBENZOFURAN	pg/g	0.4066	NE	600		**0.646 J**	7.1 U	8.04 U	0.812 U	**3.38 J**	**3.235**	NA
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	pg/g	0.2	1	10		0.29 U	1.54 U	12.5 U	0.178 J	**0.744 J**	0.165 U	NA
Heptachlorodibenzo-P-Dioxin	pg/g	NE	NE	NE		488	8360	20200	82.75	3290	394.5	NA
HEXACHLORODIBENZOFURAN	pg/g	NE	NE	NE		98.4 J	312 J	373 J	8.68 J	879	59.55 J	NA
HEXACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		60.9 J	871 J	1860 J	9.895 J	244	49.3 J	NA
OCTACHLORODIBENZOFURAN	pg/g	NE	NE	NE		155	553	551	10.95 J	1200	140.75 J	NA
OCTACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2130	19400	55300 J	260.5	13700	1460	NA
PENTACHLORO DIBENZOFURAN	pg/g	NE	NE	NE		69.8 J	72.3 J	73.7 J	2.288 J	97.7 J	27.55 J	NA
PENTACHLORODIBENSO-P-DIOXIN	pg/g	NE	NE	NE		6.69 J	51.2 J	25 J	0.528 U	15.6 J	8.325 J	NA
TETRACHLORINATED DIBENZOFURANS, (TOTAL	pg/g	NE	NE	NE		34.7 J	7.1 U	8.04 U	0.812 U	38.7	24.7	NA
TETRACHLORODIBENZO-P-DIOXIN	pg/g	NE	NE	NE		2.89 J	9.04 J	12.5 U	1.13 J	3.7 J	3.835 J	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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Portland, Oregon

				Location ID	SIB-124-MLW	SIB-124-OHW	SIB-124-TOB	SIB-125-MLW	SIB-125-OHW	SIB-125-TOB	SIB-125-TOB
				Sample ID	SIB-124-MLW-0-1-10262022	SIB-124-OHW-0-1-10262022	SIB-124-TOB-0-1-10262022	SIB-125-MLW-0-1-10262022	SIB-125-OHW-0-1-10262022	SIB-125-TOB-0-1-10262022	SIB-125-TOB-1-2-10262022
TOTAL HpCDFs	pg/g	NE	NE	NE	242 J	738	779	15.45 J	2180	189 J	NA
2,3,7,8-TCDD TEQ, (ND=0.5)	pg/g	10	NE	NE	8.8 J	**75.7 J**	**147 J**	1.7	**60 J**	8.1	NA
2,3-DICHLOROBIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
2-CHLOROBIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
4,4'-DICHLOROBIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Chlorobiphenyl; 4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
DECACHLOROBIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,2'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 2,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Dichlorobiphenyl; 3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,5,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',4,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,3',5,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,4',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4,5,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,2',3,4',5,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,4',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Heptachlorobiphenyl; 2,3,3',4,5,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-124-MLW	SIB-124-OHW	SIB-124-TOB	SIB-125-MLW	SIB-125-OHW	SIB-125-TOB	SIB-125-TOB
				Sample ID	SIB-124-MLW-0-1-10262022	SIB-124-OHW-0-1-10262022	SIB-124-TOB-0-1-10262022	SIB-125-MLW-0-1-10262022	SIB-125-OHW-0-1-10262022	SIB-125-TOB-0-1-10262022	SIB-125-TOB-1-2-10262022
Hexachlorobiphenyl; 2,2',3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,3',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,4',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',3,5,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,2',4,4',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',4',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 2,3,3',5,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Hexachlorobiphenyl; 3,3',4,4',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,4',5,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Nonachlorobiphenyl; 2,2',3,3',4,5,5',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,4',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',4,5',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,3',5,5',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,2',3,4,4',5,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Octachlorobiphenyl; 2,3,3',4,4',5,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
PCB-167	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
PCB-82	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
Riverbank Characterization Data Report; Swan Island Basin Project Area
Portland, Oregon

				Location ID	SIB-124-MLW	SIB-124-OHW	SIB-124-TOB	SIB-125-MLW	SIB-125-OHW	SIB-125-TOB	SIB-125-TOB
				Sample ID	SIB-124-MLW-0-1-10262022	SIB-124-OHW-0-1-10262022	SIB-124-TOB-0-1-10262022	SIB-125-MLW-0-1-10262022	SIB-125-OHW-0-1-10262022	SIB-125-TOB-0-1-10262022	SIB-125-TOB-1-2-10262022
Pentachlorobiphenyl; 2,2',3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,4',6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',3,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,2',4,6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,3',5,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 2,3',4,5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Pentachlorobiphenyl; 3,3',4,5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyl (PCB)	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
TETRACHLORO 1,1'-BIPHENYL	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',4,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,2',6,6'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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				Location ID	SIB-124-MLW	SIB-124-OHW	SIB-124-TOB	SIB-125-MLW	SIB-125-OHW	SIB-125-TOB	SIB-125-TOB
				Sample ID	SIB-124-MLW-0-1-10262022	SIB-124-OHW-0-1-10262022	SIB-124-TOB-0-1-10262022	SIB-125-MLW-0-1-10262022	SIB-125-OHW-0-1-10262022	SIB-125-TOB-0-1-10262022	SIB-125-TOB-1-2-10262022
Tetrachlorobiphenyl; 2,3,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 2,3',5',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,3',5,5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Tetrachlorobiphenyl; 3,4,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',3-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,2',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,3'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3,6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,3',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 2,4',6-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',4-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,3',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,4'-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4,5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Trichlorobiphenyl; 3,4',5-	pg/g	NE	NE	NE	NA	NA	NA	NA	NA	NA	NA
Total PCB Congener (Calculated U = 1/2)	pg/g	9000	75000	2E+05	68200 J	NA	NA	NA	NA	NA	NA
PHC AS DIESEL FUEL	mg/kg	91	NE	NE	2.2 UJ	79 J	**98 J**	2.5 UJ	2 UJ	2 U	NA
Residual Range Organics (C25-C36)	mg/kg	NE	NE	NE	4.7 UJ	4.2 UJ	4.5 UJ	5.3 UJ	4.2 UJ	4.2 U	NA
ARSENIC	mg/kg	3	NE	NE	**7.72**	**232**	**292**	2.03	**6.58**	**5.265**	**4.55 J**
CADMIUM	mg/kg	0.51	NE	NE	0.18	0.35	**1.91**	0.07 J	0.24	0.27	0.18
COPPER	mg/kg	359	NE	NE	50.3	279	**363 J**	17.95 J	47 J	43.8 J	32.3
LEAD	mg/kg	196	NE	NE	15.6	**504**	**250 J**	12.05 J	27.1 J	23 J	12.7 J
ZINC	mg/kg	459	NE	NE	96.9	197	304	67.95	113	102	81.9
MERCURY	mg/kg	0.085	NE	NE	**0.143**	0.0366	0.0637	0.00478 U	0.044	0.02725	0.0271 J
Aroclor 1262	µg/kg	NE	NE	NE	2.9 U	2.9 U	3 U	0.6 U	2.9 U	2.4 U	0.6 U
PCB-1016 (AROCLOR 1016)	µg/kg	NE	NE	NE	7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	6.3 U	1.6 U

Attachment C.1 (continued)
Laboratory Analytical Results Summary
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					Location ID	SIB-124-MLW	SIB-124-OHW	SIB-124-TOB	SIB-125-MLW	SIB-125-OHW	SIB-125-TOB	SIB-125-TOB
					Sample ID	SIB-124-MLW-0-1-10262022	SIB-124-OHW-0-1-10262022	SIB-124-TOB-0-1-10262022	SIB-125-MLW-0-1-10262022	SIB-125-OHW-0-1-10262022	SIB-125-TOB-0-1-10262022	SIB-125-TOB-1-2-10262022
PCB-1221 (AROCLOR 1221)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	6.3 U	1.6 U
PCB-1232 (AROCLOR 1232)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	6.3 U	1.6 U
PCB-1242 (AROCLOR 1242)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	6.3 U	1.6 U
PCB-1248 (AROCLOR 1248)	µg/kg	NE	NE	NE		7.8 U	7.8 U	7.8 U	1.6 U	7.8 U	6.3 U	1.6 U
PCB-1254 (AROCLOR 1254)	µg/kg	NE	NE	NE		11.8 J	46.2	25	1.6 U	25 J	136.35 J	63.9 J
PCB-1260 (AROCLOR 1260)	µg/kg	NE	NE	NE		40.3	42	44.9	1.4 J	36.6 J	24	12.9 J
PCB-1268 (AROCLOR 1268)	µg/kg	NE	NE	NE		2.9 U	2.9 U	3 U	0.6 U	2.9 U	2.4 U	0.6 U
Total PCB Aroclors (Calculated U = 1/2)	µg/kg	9	75	200		**74.5**	**111**	**92.4**	6.8	**84**	**179**	**81.4**
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	135	NE	NE		30 J	**970**	**3300**	14 J	110 J	**180 J**	120
2-METHYLNAPHTHALENE	µg/kg	NE	NE	NE		0.44 U	0.4 U	0.44 U	0.49 U	0.41 U	0.39 U	NA
ACENAPHTHENE	µg/kg	NE	NE	NE		0.36 U	100	55	0.4 U	19	0.32 U	NA
ACENAPHTHYLENE	µg/kg	NE	NE	NE		0.34 U	44	46	0.37 U	0.31 U	0.3 U	NA
ANTHRACENE	µg/kg	NE	NE	NE		0.35 U	200	130	0.39 U	16	14	NA
BENZO(A)ANTHRACENE	µg/kg	NE	NE	NE		24	960	1400	0.31 U	44	40.5	NA
BENZO(A)PYRENE	µg/kg	NE	NE	NE		38	840	1100	4.4 J	61	59.5	NA
BENZO(B)FLUORANTHENE	µg/kg	NE	NE	NE		46	2700	3200	0.51 U	110	89	NA
BENZO(G,H,I)PERYLENE	µg/kg	NE	NE	NE		27 J	460	640 J	1.4 J	34 J	31 J	NA
BENZO(K)FLUORANTHENE	µg/kg	NE	NE	NE		19	770	1000	0.855 J	40	32	NA
CHRYSENE	µg/kg	NE	NE	NE		33	2700	3100	6.1 J	130	68.5	NA
DIBENZ(A,H)ANTHRACENE	µg/kg	NE	NE	NE		7.2	140	180	0.31 U	8	7.5	NA
FLUORANTHENE	µg/kg	NE	NE	NE		45	5300	4800	0.84 U	280	114	NA
FLUORENE	µg/kg	NE	NE	NE		0.68 U	120	61	0.76 U	24	0.6 U	NA
INDENO(1,2,3-C,D)PYRENE	µg/kg	NE	NE	NE		29	730	980	1.55 J	48	42	NA
NAPHTHALENE	µg/kg	NE	NE	1E+05		0.56 U	0.51 U	0.55 U	0.63 U	0.51 U	0.5 U	NA
PHENANTHRENE	µg/kg	NE	NE	NE		0.71 U	1900	1900	0.78 U	200	56.5	NA
PYRENE	µg/kg	NE	NE	NE		44	4300	4800	2 J	250	104.5	NA
Total PAH (Calculated U = 1/2)	µg/kg	23000	30000	NE		314	21300	**23400**	13.3	1260	660	NA
Total cPAH/BaPEq (Calculated U = 1/2)	µg/kg	774	NE	8E+05		55.3	**1430**	**1850**	4.8	89.7	84.5	NA
SOLIDS, PERCENT	%	NE	NE	NE		82.2	92.6	85.3	71.1	91.2	91.65	93.8
TOTAL ORGANIC CARBON	%	NE	NE	NE		0.73	1.94	2.05	0.095 J	3.69	2.655	NA

Notes:
Concentration exceeds CUL
Concentration exceeds CUL and RAL/PQL
Concentration exceeds CUL, RAL/PQL, PTW threshold
µg/kg - micrograms per kilogram
mg/kg - milligrams per kilogram
pg/g - picogram per gram

A - summed value based on limited number of analytes
BaPEq - benzo(a)pyrene equivalent
cPAH - carcinogenic polycyclic aromatic hydrocarbon
CUL - cleanup level
DDD - dichlorodiphenyldichloroethane
DDE - dichlorodiphenyldichloroethylene
DDT - dichlorodiphenyltrichloroethane
DDx - DDD + DDE + DDT
EPA - U.S. Environmental Protection Agency
J - estimated concentration
NA - not analyzed
NE - none established
PAH - polycyclic aromatic hydrocarbon
PCB - polychlorinated biphenyl
PQL - practical quantitation limit
PTW - principal threat waste
R - rejected
RAL - remedial action level
TEQ - toxic equivalent
U - analyte not detected above laboratory reporting limit

ATTACHMENT C.2
DATA VALIDATION REPORTS

Attachment C.2 Data Validation Reports

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ATTACHMENT C.3
ANALYTICAL DATA PACKAGES

Attachment C.3 Analytical Data Packages

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