Identification\_Information:

Citation:

Citation\_Information:

Originator:

eTrac, A Woolpert Company,

Lead Processor Cody R. Gibson

Publication Date: 2022

Title:

Multibeam mapping of the Swan Island Basin, Portland, Oregon

Online\_Linkage:

none

Description:

Abstract:

Multibeam bathymetry data generated from

the 2022 multibeam sonar survey of the Swan Island Basin.

This is metadata for the Swan Island Basin multibeam bathymetry data.

Purpose:

This dataset is intended for pre-design purposes in support of the

Portland Superfund site, Swan Island Basin.

The dataset can be used with geographic information systems (GIS)

or other software to display bathymetry data of the Swan Island Basin.

Supplemental\_Information:

none

Time\_Period\_of\_Content:

Time\_Period\_Information:

Range\_of\_Dates/Times:

Beginning\_Date: 20220404

Ending\_Date: 20220405

Currentness\_Reference: Channel bathymetry

Status:

Progress: Complete

Maintenance\_and\_Update\_Frequency: As needed

Spatial\_Domain:

Bounding\_Coordinates:

West\_Bounding\_Coordinate: -122.45528261

East\_Bounding\_Coordinate: -122.42957920

North\_Bounding\_Coordinate: 45.57334195

South\_Bounding\_Coordinate: 45.32559494

Keywords:

Theme:

Theme\_Keyword\_Thesaurus: None

Theme\_Keyword: Multibeam

Theme\_Keyword: Bathymetry

Theme\_Keyword: Water Depth

Theme\_Keyword: Channel topography

Theme\_Keyword: Basin

Place:

Place\_Keyword\_Thesaurus: None

Place\_Keyword: Portland

Place\_Keyword: OR

Place\_Keyword: Swan Island Basin

Place\_Keyword: USA

Access\_Constraints:None

Use\_Constraints:

This dataset is not intended for navigational purposes.

The dataset and information are provided

with the understanding that they are not guaranteed

to be usable, timely, accurate, or complete.

Users are cautioned to consider carefully

the provisional nature of these data and information

before using them for decisions that concern personal or

public safety or the conduct of business that involves

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would not infringe on privately owned rights.

Point\_of\_Contact:

Contact\_Information:

Contact\_Person\_Primary:

Contact\_Person: Adam L. Taylor

Contact\_Organization:

eTrac, A Woolpert Company

Contact\_Position: Project Manager

Contact\_Address:

Address\_Type: mailing and physical address

Address: eTrac, 2501 SE Mile Hill Dr., Ste. 221

City: Port Orchard

State\_or\_Province: WA

Postal\_Code: 98366

Country: USA

Contact\_Voice\_Telephone: (907) 521-3370

Contact\_Electronic\_Mail\_Address: adam.taylor@woolpert.com

Data\_Quality\_Information:

Attribute\_Accuracy:

Attribute\_Accuracy\_Report: Not applicable for raster data.

Logical\_Consistency\_Report: Unspecified

Completeness\_Report: Complete

Positional\_Accuracy:

Horizontal\_Positional\_Accuracy:

Horizontal\_Positional\_Accuracy\_Report: 0.1 foot

Vertical\_Positional\_Accuracy

Vertical\_Positional\_Accuracy\_Report: 0.1 foot

Lineage:

Process\_Step:

Process\_Description:

The bathymetry dataset was collected along a depth dependent

Swath using an R2Sonic 2024 multibeam sonar system. The data

is cleaned of bad navigation and depth readings. The depth

readings are gridded into a common grid.

Process\_Date: 20220415

Process\_Contact:

Contact\_Information:

Contact\_Person\_Primary:

Contact\_Person: Cody R. Gibson

Contact\_Organization:

eTrac, A Woolpert Company

Contact\_Position: Lead Processor

Contact\_Address:

Address\_Type: mailing and physical address

Address: eTrac, 2501 SE Mile Hill Dr. Ste. 221

City: Port Orchard

State\_or\_Province: WA

Postal\_Code: 98366

Country: USA

Contact\_Voice\_Telephone: (719) 352-5821

Contact\_Electronic\_Mail\_Address: cody.gibson@woolpert.com

Spatial\_Data\_Organization\_Information:

Direct\_Spatial\_Reference\_Method: Raster

Raster\_Object\_Information:

Raster\_Object\_Type: Grid Cell

Row\_Count: 1463

Column\_Count: 1224

Spatial\_Reference\_Information:

Horizontal\_Coordinate\_System\_Definition:

Planar:

Grid\_Coordinate\_System:

Grid\_Coordinate\_System\_Name: Oregon North State Plane Intl Ft (EPSG: 102726)

Scale\_Factor\_at\_Central\_Meridian: 0.9996

Longitude\_of\_Central\_Meridian: -120 30 0.000

Latitude\_of\_Projection\_Origin: 41 45 0.000

False\_Easting: 1,312,335.958 Feet

False\_Northing: 0.00000 Meters

Geodetic\_Model:

Horizontal\_Datum\_Name: WGS84

Ellipsoid\_Name: WGS84

Semi-major\_Axis: 6378137.00 meters

Denominator\_of\_Flattening\_Ratio: 0.003352811

Distribution\_Information:

Distributor:

Contact\_Information:

Contact\_Organization\_Primary:

Contact\_Organization:

eTrac, A Woolpert Company

Contact\_Address:

Address\_Type: mailing and physical address

Address: 2501 SE Mile Hill Dr. Ste. 221

City: Port Orchard

State\_or\_Province: WA

Postal\_Code: 98366

Country: USA

Distribution\_Liability:

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Standard\_Order\_Process:

Digital\_Form:

Digital\_Transfer\_Information:

Format\_Name: XYZ

Format\_Version\_Number: none

Transfer\_Size: 408.5 megabytes

Digital\_Transfer\_Option:

Online\_Option:

Computer\_Contact\_Information:

Network\_Address:

Network\_Resource\_Name:

none

Fees: None

Metadata\_Reference\_Information:

Metadata\_Date: 20220429

Metadata\_Contact:

Contact\_Information:

Contact\_Person\_Primary:

Contact\_Person: Cody R. Gibson

Contact\_Organization:

eTrac, A Woolpert Company

Contact\_Position: Lead Processor

Contact\_Address:

Address\_Type: mailing and physical address

Address: 2501 SE Mile Hill Dr. Ste. 221

City: Port Orchard

State\_or\_Province: WA

Postal\_Code: 98366

Country: USA

Contact\_Voice\_Telephone: (719) 352-5821

Contact\_Electronic\_Mail\_Address: cody.gibson@woolpert.com

Metadata\_Standard\_Name:

Content Standard for Digital Geospatial Metadata

("CSDGM version 2")

Metadata\_Standard\_Version: FGDC-STD-001-1998

Metadata\_Time\_Convention: universal time