Phase I Environmental Site Assessment

7855 Warren Street
Bay City, Oregon 97107
Tillamook County Tax Parcels
1S 10W 2 CB 1800 and 1S 10W 2CC 0100

Prepared for:
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TILLAMOOK ESTUARIES PARTNERSHIP

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January 21, 2025

Subject:

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Ms. Welch,

Cascade Environmental Solutions (Cascade Environmental) has prepared the Phase I Environmental Site Assessment (Phase I ESA) for the Subject Property addressed 7855 Warren Street in Bay City, Oregon (Subject Property). This Phase I ESA was performed in accordance with the standards and practices for all appropriate inquiries specified in Title 40, Chapter 1 of the Code of Federal Regulations Part 312 and American Society for Testing and Materials (ASTM) Standard E1527-21.The ASTM standard requires a review of reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.

Following is a summary of the Phase I ESA findings:

PHASE I ESA EXECUTIVE REPORT SUMMARY

The Subject Property is located at 7855 Warren Street in Bay City, Oregon on Tillamook County Tax Parcels 1S10W2CB 1800 and 1S10W2CC 0100. It is located in Section 03, Township 01 South and Range 10 West of the Willamette Meridian. Below is a synopsis of the environmental site assessment:

- The Subject Property is comprised of two tax parcels. Parcel 0100 is 0.47-acres and developed with a 1,568 square foot manufactured home and associated driveway. Parcel 1800 is a 0.49-acre lot that was formerly developed with a garage and is now vacant. The residential structure has three bedrooms and 2 full bathrooms. A lean-to covered carport is located on the north end of the structure. A garage was demolished in 2023, and a single-family residential structure was demolished in 2013. An abandoned concrete slab is located north of the structure. A

majority of the property is covered in grass, with large trees located in the eastern half of the property. A small, overgrown garden is located between the structure and Warren Street.

- The structure is full of debris and is water, mold and mildew damaged. Portions of the flooring have rotted through, and evidence of rodents was present throughout. It is not a habitable structure. The developer will be working with the Bay City Fire Department to burn the house with all debris remaining inside.

- According to Client interviews, development is to include demolition of existing structures and new construction of an Estuary Science Center, including single-story office, lobby, and laboratory space covering roughly 8,000 square feet, along with a roughly 1,200 square foot single-story duplex. Proposed improvements also include pervious and impervious pavements and utilities.

- A current Vicinity Map is included as Figure 1. A Site Plan is included as Figure 2. Photographs of the Subject Property are included in Figure 3. Topographic Maps and a Tax Map are included in the Appendices. Adjacent properties are detailed in Table 1 below:

Table 1: Adjacent Property Operations

Location	Address	Tax Lot	Occupant or Site Use
Adjacent East	Southern Pacific Railroad		
Adjacent West/NW	4790 Spruce Street	200	Single-Family Residence
	7840 Warren Street (2 lots)	1400 and 1500	Single-Family Residence
Adjacent North	7865 Warren Street	1700	Single-Family Residence
Adjacent South	4905 Spruce Street	4200	Public Park- Kilchis Point Trailhead
Adjacent SE	5000 Spruce Street	1100	Public Park- Kilchis Point Trailhead
Adjacent SW	4785 Spruce Street	2200	Single-Family Residence

*Listed on the database report

- The Subject Property is located within the Shorelands 3 zone per Bay City Municipal Code. The Shoreland 3 zone allows residential uses outright and allows other uses on a conditional use basis, subject to specified performance standards.

- Based on a review of topographic maps for the area, the Subject Property is situated at an elevation of approximately 23.12 feet above mean sea level and the property is generally level, sloping gently downward to the east-southeast. Shallow groundwater beneath the Subject Property is expected to flow southwest toward the Kilchis River, approximately 1000 feet to the south. Specific groundwater flow directions vary based on various hydrogeological conditions and can only be defined by a subsurface investigation and monitoring. The United States Geological Survey predicts depth to seasonal high groundwater at the property to occur 5-10 feet below ground surface. The Oregon Water Resources Department website was reviewed

for wells located on the Subject Property. There are no water wells at the Subject Property or in the immediate vicinity. The Subject Property is supplied by municipal water and sewer provided by the Bay City Public Works Department.

- Per ASTM standards, a database report was ordered through Environmental Risk Information Services and additional available records reviewed Oregon Department of Environmental Quality (DEQ), City of Bay City and Tillamook County. No significant environmental conditions were identified at the Subject Property or on adjacent properties.

NON-SCOPE CONSIDERATIONS

- As the structure was built in 1986, the presence of asbestos and lead in building materials is considered unlikely. A concurrent asbestos survey was performed by Morris Inspections and identified no asbestos containing building materials. The report is summarized throughout the report.

- The structure is full of debris and is water, mold and mildew damaged. Portions of the flooring have rotted through, and evidence of rodents was present throughout. It is not a habitable structure. The developer will be working with the Bay City Fire Department to burn the house with all debris remaining inside. Any remaining debris and building materials should be disposed of according to state and local regulatory standards.

- Based on a conversation with neighbors, there was a septic system associated with the former single-family residential structure. There is no evidence of decommissioning or removal of the septic system. As the septic system was only associated with a residential property and has been unused for several decades, the probability of any contaminants of concern associated with the cesspool use is low. However, abandoned cesspools can become unstable and collapse, causing a sinkhole or completely collapse within the yard. Falling into a collapsed or collapsing cesspool, that may contain liquids and sludge, can cause serious injury.

- A ground penetrating radar survey can be performed to identify the location of the system. Prior to redevelopment, the system can be removed and filled. Per Oregon Administrative Code (340-071-0185), tanks, cesspools, and seepage pits must be pumped by a licensed sewage disposal service to remove all septage. Tanks, cesspools, and seepage pits must be filled with reject sand, bar run gravel, or other approved material, or the container must be removed and properly disposed. If a cesspool is found during ground penetrating radar survey, it may require sampling during decommissioning

- According to regional radon information obtained from the Environmental Protection Agency (EPA) and the Oregon Health Authority the Subject Property is located within EPA-designated Zone 2 for radon gas. Average radon concentrations within Zone 2 are considered to have moderate potential and are predicted have a predicted average indoor radon screening level between 2.0 and 4.0 pCi/L (picocuries per liter). The vicinity has an average radon screening level of 2.1 pCi/L. The US EPA recommends re-sampling for radon every two to five years.

- No evidence of Polychlorinated Biphenyls (PCBs) was identified at the Subject Property; however, a formal survey for PCBs was not performed as part of this ESA. Cascade Environmental spoke to public utility representatives and determined that the use of PCBs in transformers was phased out in the 1970s. The nearest transformers use oil and have no PCBs.

- Based on available information, it is the opinion of Cascade Environmental that the presence of Per- and polyfluoroalkyl substances at the Subject Property is possible. As redevelopment will involve removing existing structures, utilities, fill, and topsoil, this is not a significant environmental concern for the property.

- Based on a review of available resources as documented in this report, Cascade Environmental has identified potential for vapor encroachment contaminants of concern (as identified in ASTM E 2600-10) into the subsurface at the Subject Property due to onsite and adjacent property uses.

OPINION OF FINDINGS

A Recognized Environmental Condition (REC) is defined by ASTM as: "the presence or likely presence of hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment…The term is intended to included "de minimis" conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies".

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, Cascade Environmental has identified no RECs associated with the Subject Property.

A Historic Recognized Environmental Condition (HREC) is defined by ASTM as: "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls".

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, no HRECs were identified for the Subject Property.

A Controlled Recognized Environmental Conditions (CREC) is defined by ASTM as: "A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent,

or meeting risk-based criteria established by regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)".

Based on the December 30, 2024 site reconnaissance and review of historic records, no CRECs were identified.

A Business Environmental Risk (BER) is defined under the ASTM standard as "a risk which can have a material environmental impact on the business associated with the current or planned use" of a property" and includes ASTM Non-Scope Considerations such as asbestos, Lead-Based paint (LPB), radon, methane, mold, and/or additional areas considered for discussion.

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, the water, mold and mildew damage is a BER for the Subject Property. The structure should be kept locked/inaccessible until demolition.

Based on conversations with neighbors, the historic presence of a septic system associated with the former single-family residential structure, with no evidence of decommissioning or removal is a BER. As the septic system was only associated with a residential property and would have been unused for several decades, the probability of any contaminants of concern associated with the septic system use is low. However, abandoned septic systems can become unstable and collapse, causing a sinkhole or completely collapse within the yard. Falling into a collapsed or collapsing cesspool/septic system, that may contain liquids and sludge, can cause serious injury.

A ground penetrating radar survey can be performed to identify the potential location of the septic system. Prior to redevelopment, the system can be removed and filled. Per Oregon Administrative Code (340-071-0185), tanks, cesspools, and seepage pits must be pumped by a licensed sewage disposal service to remove all septage. Tanks, cesspools, and seepage pits must be filled with reject sand, bar run gravel, or other approved material, or the container must be removed and properly disposed. If a cesspool is found during ground penetrating radar survey, it may require sampling during decommissioning.

Based on available information, it is the opinion of Cascade Environmental that the presence of Per- and polyfluoroalkyl substances at the Subject Property is possible. As redevelopment will involve removing existing structures, utilities, fill, and topsoil, this is not a significant environmental concern for the property.

A de minimis condition refers to an environmental condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

Based on the December 30, 2024 site reconnaissance and review of historic records, the significant amount of debris and the dilapidated state of the current structure is a de minimis issue.

Vapor migration occurs when vapors from volatile chemicals in polluted soil or groundwater intrude upon another property where they may migrate upwards into the indoor air of overlying buildings. Once contaminant vapors enter a structure, they may accumulate and potentially pose health hazards for building occupants.

Based on a review of available resources as documented in this report, Cascade Environmental has found there is low potential for the release of vapor encroachment contaminants of concern (as identified in ASTM E 2600-10) into the subsurface due to past or present environmental conditions from adjacent and onsite property operations.

The following significant data gap was identified for the Subject Property:

The ASTM recommended review interval is 5-years. Data gaps were encountered in excess of the recommended interval. However, based on the available information reviewed, these historical data gaps are not believed to be an issue of interest and are not expected to significantly alter the findings, conclusions or recommendations of this assessment.

PHASE I REPORT CONCLUSION

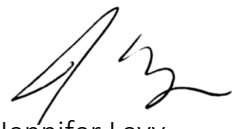
Cascade Environmental has prepared this Phase I ESA report in accordance with ASTM Practice E1527-21, with the established scope and limitations. Section 15.0 details any limitations of liability.

Any opinions and/or recommendations presented in this Phase I ESA report apply to conditions that existed at the Subject Property at the time services were performed. No environmental assessment can altogether eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of a Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the existence of RECs in connection with a property.

Cascade Environmental has identified no RECs or significant environmental concerns for the Subject Property.

We appreciate the opportunity to be of service to you. Please contact us if you have questions regarding this report.

Sincerely,
Cascade Environmental Solutions



Jennifer Levy
Senior Reviewer

Emilie Saks-Webb
Technical Writer

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ACRONYMS

ASTM	American Society for Testing and Materials
bgs	Below Ground Surface
CERCLA	Comprehensive Env. Response, Compensation, and Liability Act
CERCLIS	Comprehensive Env. Response, Compensation and Liability System
CFR	Code of Federal Regulations
DEQ	Oregon Department of Environmental Quality
ECSI	Environmental Cleanup Site Information Database
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FR	Federal Register
HOT	Heating Oil Tank
HREC	Historic Recognized Environmental Condition
LUST	Leaking Underground Storage Tank
MSL	Mean Sea Level
NFA	No Further Action
NWI	National Wetlands Inventory
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
SPILLS	Hazmat/Incidents Database
TPH	Total Petroleum Hydrocarbons
USC	United States Code
USGS	United States Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound

1.0 INTRODUCTION

This report summarizes the results of the Phase I Environmental Site Assessment (ESA) for the Subject Property located at 7855 Warren Street Bay City, Oregon 97107, Tillamook County Map Tax Lot 1S 10W 2 CB 1800 and 1S 10W 2CC 0100. This Phase I ESA was performed in accordance with the standards and practices for all appropriate inquiries specified in Title 40, Chapter 1 of the Code of Federal Regulations Part 312 and American Society for Testing and Materials (ASTM) Standard E1527-21. The ASTM standard requires a review of reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable. The Subject Property is shown relative to surrounding physical features on Figure 1. The Subject Property features, and surrounding properties are shown on Figure 2. Definitions of all acronyms used in this Phase I ESA are attached at the beginning of the report.

2.0 PURPOSE & METHODOLOGY OF STUDY

The primary purpose for conducting a Phase I ESA is to undertake all appropriate inquiries regarding prior uses of a property such that a user may qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). A Phase I ESA seeks to identify recognized environmental conditions (RECs) associated with a property as defined by ASTM Standard E1527-21.

A Recognized Environmental Condition (REC) is defined by ASTM as: "the presence or likely presence of hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment…The term is intended to included "de minimis" conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies".

A Historic Recognized Environmental Condition (HREC) is defined by ASTM as: "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls".

A Controlled Recognized Environmental Condition (CREC) is defined by ASTM as: "A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting

risk-based criteria established by regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)".

A de minimis condition refers to an environmental condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

A Business Environmental Risk (BER) is defined under the ASTM standard as "a risk which can have a material environmental impact on the business associated with the current or planned use" of a property" and includes ASTM Non-Scope Considerations such as asbestos, Lead-Based paint (LPB), radon, methane, mold, and/or additional areas considered for discussion.

3.0 SCOPE

The scope of services for this Phase I ESA was conducted in accordance with the standards and practices for all appropriate inquiries specified in 40 Code of Federal Regulations (CFR) Part 312 and ASTM E1527-21. The specific scope of services completed for this Phase I ESA included the following:

- A site reconnaissance of the Subject Property to determine the likelihood of past or current RECs associated with the Subject Property.
- A review of federal, state, and local environmental databases to identify RECs associated with the Subject Property and surrounding properties.
- Interviews with current property owners, managers, or other knowledgeable persons familiar with the Subject Property to identify potential RECs associated with the Subject Property or surrounding properties.
- Interviews with government officials regarding the Subject Property.
- A review of current aerial photographs and other historical information (as available).
- Preparation of this Phase I ESA report documenting the findings and recommendations regarding any additional actions in accordance with ASTM E1527-21 standards.

The purpose of the Phase I ESA is to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the Subject Property.

4.0 SUBJECT PROPERTY DESCRIPTION

The Subject Property is located at 7855 Warren Road in the Bay City, Oregon. It is located in Section 03, Township 01 South and Range 10 West of the Willamette Meridian, on Map Tax Lots 1S 10W 2 CB 1800 and 1S 10W 2CC 0100.

4.1 PROPERTY DETAILS

The property is developed with an approximately 1,815 square foot vacant manufactured home and associated driveway. A lean-to covered carport is located on the north end of the structure. A garage was demolished in 2023, and a single-family residential structure was demolished in 2013. An abandoned concrete slab is located north of the structure. A majority of the property is covered in grass, with large trees located in the eastern half of the property. A small, overgrown garden is located between the structure and Warren Street.

The structure is full of debris and is water, mold and mildew damaged. Portions of the flooring have rotted through, and evidence of rodents was present throughout. It is not a habitable structure. The developer will be working with the Bay City Fire Department to burn the house with all debris remaining inside.

A current Vicinity Map is included as Figure 1. A Site Plan is included as Figure 2. Photographs of the Subject Property are included in Figure 3. Table A below summarizes the Subject Property details:

Table A: Property Details

Current Site Owner/Seller	Tillamook Estuaries Partnership
County	Tillamook County
Zoning	Shorelands 3 (S3)
Latitude and Longitude	Latitude: 45.51318251 Longitude: -123.88132717
Utility Providers	Tillamook People's Utility District Bay City Public Works
Emergency Response	Nearest Police Headquarters Tillamook County Sheriff's Department 5995 Long Prairie Road Tillamook, Oregon 97141 (503)842-2561 Nearest Fire Station 9390 4th Street in downtown Bay City For emergencies, dial 9-1-1.

4.2 ADJACENT AND SURROUNDING PROPERTY OPERATIONS

Adjacent west and north and southwest are residential properties. Adjacent east is railroad. Adjacent south is Kilchis Point Reserve and Trailhead. This approximately 200-acre nature preserve includes three separate interpretive trails Adjacent properties are all listed on the environmental database report and are detailed in Table B below.

Table B: Surrounding Property Operations

Location	Address	Tax Lot	Occupant or Site Use
Adjacent East	Southern Pacific Railroad		
Adjacent West/NW	4790 Spruce Street	200	Single-Family Residence
	7840 Warren Street (2 lots)	1400 and 1500	Single-Family Residence
Adjacent North	7865 Warren Street	1700	Single-Family Residence
Adjacent South	4905 Spruce Street	4200	Public Park- Kilchis Point Trailhead
Adjacent SE	5000 Spruce Street	1100	Public Park- Kilchis Point Trailhead
Adjacent SW	4785 Spruce Street	2200	Single-Family Residence

*Listed on the database report

4.3 GEOLOGY AND TOPOGRAPHY

The Subject Property is situated in the Nehalem quadrangle, at an elevation of 23.12 feet above mean sea level, sloping east-southeast. The Nehalem River Basin and the Coast Range formation are the result of two historic upheavals, partial submergence, and subsequent erosion over time. The Oregon Coast Range is comprised of sedimentary and volcanic rocks deposited on oceanic crust. These rocks reflect several periods of tension, related to seafloor spreading, and subsequent periods of compression related to subduction events during the middle Eocene time.

The geology of the site consists primarily of terrace, pediment, and lag gravels if the Pleistocene to Holocene age with boulders as secondary rock types. According to the Natural Resources Conservation Service (NRCS), the Subject Property is underlain by soil that is identified as Ginger-Hebo complex with 0 to 5 percent slopes. The Ginger component is on stream terraces and coastal river valleys. The parent material consists of alluvium derived from igneous and sedimentary rock. The Hebo component is on depressions in coastal river valleys. The parent material consists of mixed alluvium and/or fluviomarine deposits derived from sedimentary rock.

4.4 HYDROLOGY AND HYDROGEOLOGY

The Subject Property is located approximately 1,400 feet east of Tillamook Bay, and four miles east of the Pacific Ocean.

According to the United States Geological Survey and geotechnical investigation data, seasonal high ground water is present at less than five feet below ground surface (bgs) in the immediate vicinity. Based on a review of topographic maps for the area, the site slopes gently east-southeast. Shallow groundwater beneath the Subject Property is expected to flow south, toward Doty Creek. Specific groundwater flow directions vary based on various hydrogeological conditions and can only be defined by a subsurface investigation.

The property is in FEMA Flood Zone X, an area that is determined to be outside the 100 and 500-year floodplains. No water wells were identified at the Subject Property or on adjacent properties. The Oregon Water Resources Department website was reviewed for wells located on the Subject Property. The nearest well logs are more than 1,000 feet from the Subject Property.

4.5 ZONING

The Subject Property is located within the Shorelands 3 (S3) zone per Bay City Municipal Code (10.06.130 Shoreland Zone (SL3). The Shoreland 3 zone allows residential uses outright and allows other uses on a conditional use basis, subject to specified performance standards. Performance standards are intended to separate non-compatible uses and, where appropriate, to reduce the overall intensity of use while allowing flexibility in development. All uses and activities are required to satisfy the applicable Estuary and Shoreland Standards in Section 10.08.090 of the code.

Any Grading and Erosion Control Plan shall ensure that development does not adversely impact adjacent and surrounding property, the Tillamook Bay, wetlands, and surrounding Estuary Zones. A minimum of ten percent of the total lot area of a commercial, industrial, or other non-residential use shall be maintained in landscaped open area, located on the street side or in front of a use.

5.0 USER PROVIDED INFORMATION

The purpose of this section is to evaluate information provided by the user of this report. User provided information might include previous environmental reports, title records, information pertaining to activity use limitations, property price reductions related to environmental issues, or any other information that could assist in identifying RECs associated with the Subject Property.

5.1 USER PROVIDED REPORTS

Liane Welch, Project Manager with Tillamook Estuaries Partnership, provided Cascade Environmental with two environmental reports. Both reports are summarized in Section 5.1.2 below and included in Appendix E.

5.1.1 TITLE REPORT

No title reports were provided.

5.1.2 ENVIRONMENTAL REPORT

Geotech Solutions, Inc. *Report of Geotechnical Engineering Services, Tillamook Estuaries Partnership,* December 12, 2024.

A geotechnical report was completed by Geotech Solutions, Inc. in December 2024 to provide geotechnical engineering recommendations for design for the new development at the Subject Property. According to the report, and Client interviews, development is to include demolition of existing structures and new construction of an Estuary Science Center, including single-story office, lobby, and laboratory space covering roughly 8,000 square feet, along with a roughly 1,200 square foot single-story duplex. Proposed improvements also include pervious and impervious pavements and utilities.

The report summarizes the site conditions, including subsurface conditions. The completed two cone penetrometer test probes to 11 and 15 feet below ground surface. They encountered groundwater slow seepage near depths of five feet in the test pits. Based on their results, they determined that the site can be redeveloped as proposed following recommendations from their report, including removal of topsoil and developed site features. No significant environmental concerns were identified through the geotechnical report.

Morris Inspections. *Asbestos Inspection Report: 7855 Warren Street, Bay City, Oregon*, December 10, 2024.

This asbestos report summarizes an asbestos assessment performed at the Subject Property in December 2024. The structure is described as a 1987 Sylvan double wide three bedroom and two bath manufactured home with wood framed carport and pressure treated decks. Samples were taken from vinyl flooring tile, laminate and faux wood countertops, drywall and ceiling. Based on the results of this survey and laboratory analysis, there are no asbestos containing materials in the structure.

6.0 FEDERAL AND STATE RECORDS REVIEW

Environmental Risk Information Services (ERIS) was subcontracted by Cascade Environmental to conduct a search of available regulatory environmental database records. The database search performed by ERIS meets the specific requirements of ASTM Standard Practice for Environmental Site Assessments E1527-21. The ERIS report is included in Appendix C of this report. Our review comments of the ERIS report are provided below. Additionally, Cascade Environmental searched Oregon Department of Environmental Quality (DEQ) databases, including the Oregon Leaking Underground Storage Tank database, Oregon Environmental Cleanup Site Information database and contacted the Tillamook County Fire Marshal and Building Department offices to view any oil burner permits associated with the Subject Property address. No such records were identified. Cascade searched the Oregon Office of State Fire Marshal's Hazardous Substance Incident Database for hazardous responses made at the subject and adjacent properties. No responses were identified for the Subject Property or adjacent properties.

6.1 SUBJECT PROPERTY

Per ASTM standards, a database report was ordered through ERIS, with other available records reviewed through various regulatory and municipal entities and prior environmental reports

No environmental listings were identified for the Subject Property.

6.2 ADJACENT AND ADDITIONAL MAPPED LISTINGS

All relevant properties identified in the ERIS database attached in Appendix C are summarized in the search's Executive Summary. Properties at lower elevations; in directions or distances beyond impact to the Subject Property; that have been closed with an NFA letter, or otherwise resolved; or whose listing is for tracking purposes only or only represents proper notification of registration without violations; or whose listing is for de minimis conditions only, do not currently present environmental risks to the Subject Property. Per ASTM standards, all historical auto stations, and dry cleaners, as well as cross-gradient volatile organic compounds (VOC) release sites within 365 feet require discussion.

No adjacent listings were identified in the ERIS report.

Within one (1) mile of the Subject Property, the database report identified:

- One (1) Resource Conservation and Recovery Act (RCRA) Very Small Generator
- One (1) RCRA Non-generator
- One (1) Environmental Cleanup Site Inventory listings
- Three (3) Leaking Underground Storage Tanks (LUSTs)
- One (1) UST DEQ
- One (1) Aboveground Storage Tank (AST) Oregon State Fire Marshal (OSFM)

- Two (2) AST Drinking Water Protection Program (DWP)
- One (1) Delisted Storage Tank (DTNK)
- One (1) Facility Registry Service/Facility Index (FINDS/FRS)
- One (1) Integrated Compliance Information System (ICIS)
- One (1) Air permit

Additional information on the nearest or most significant listings are discussed further below:

Table C: Facility Database Details

Facility and Address	Distance and Topographic Gradient	Database Listing	Documented Status	REC? Yes/ No
Kilchis Point Warren & Spruce Streets	56.36 ft SW Downgradient	ICIS FINDS/FRS	Construction permits for discharging wastewater into the ocean.	No. Heavy construction was performed at the adjacent trailhead in 2015. A permit was required during construction but has since been terminated. This permit is administrative in nature and there is no reported contamination.
Tillamook Country Smoker LLC 8250 Warren St	1,240.36 ft NNW Downgradient	RCRA Non-Generator Air Permit AST DWP	These are administrative listings, and no compliance monitoring o enforcement (violation) records are associated. They are records for storing cryogenic nitrogen, sulfuric acid and propane for meat processing.	No, due to the administrative nature of these listing and no associated violations, this is not an environmental concern for the Subject Property.
Bay City, City Of 8000 Elliot Street	1,269.37 ft NW Downgradient	DTNK UST DEQ LUST 29-93-0170	A leaking underground storage tank was identified 1993, a clean-up was performed, and the listing was closed by DEQ with an NFA in 1996.	No. Due to the closed status of this listing, position downgradient and significant distance from the Subject Property, this listing does not represent an environmental concern for the Subject Property.

8140 Bewleys St	1283.45 ft ENE Upgradient	RCRA VSQG AST DWP	These are administrative listings, and no compliance monitoring o enforcement (violation) records are associated.	No. due to the administrative nature of these listing and no associated violations, this is not an environmental concern for the Subject Property.
Bay City Deli Mart Hwy 101 N	1,479.51 ft NNW Downgradient	LUST 29-95-0083	A LUST was discovered during a site assessment in 1995. A soil matrix cleanup was performed and DEQ issued No Further Action determination in 1997.	No. Due to the closed status of this listing, and significant distance from the Subject Property, this listing does not represent an environmental concern for the Subject Property.
Country Smoker Outlet 8335 Highway 1010 N	1,479.60 ft NNW Downgradient	LUST 29-18-0076	A LUST was discovered in 2018. Groundwater was impacted, and a cleanup was performed. An NFA was issued by DEQ in 2019.	No. Due to the closed status of this listing, position downgradient and significant distance from the Subject Property, this listing does not represent an environmental concern for the Subject Property.
Tatlock Property 8955 9th Street	3,031.20 ft NNW Upgradient	ECSI 934 4305	An aboveground heating oil tank was installed under the house in an unfinished basement in 2004. The tank was improperly hooked up and released 250 gallons of heating oil to the underlying soils. DEQ investigated potential impacts to soils and shallow groundwater, as well as soil vapor. An investigation was performed, and the site was closed with an NFA ir 2004.	No. Due to the closed status of this listing, and significant distance from the Subject Property, this listing does not represent an environmental concern for the Subject Property

6.3 VAPOR INTRUSION AND MIGRATION

Vapor migration occurs when vapors from volatile chemicals in polluted soil or groundwater intrude upon another property or existing property feature where they may migrate upwards into the indoor air of overlying buildings. The vapor forming chemicals responsible for vapor encroachment include semi-volatile organic compounds (SVOCs), VOCs and volatile inorganic compounds such as mercury. The migration of contaminant vapors and intrusion of a structure may accumulate and pose potential health hazards for building occupants.

To ensure that vapor encroachment is appropriately considered when performing an environmental site assessment, the ASTM released its Vapor Encroachment Standard (ASTM E2600-15). In accordance with the new standard, two conditions are evaluated: Vapor Encroachment Condition (VEC) and potential Vapor Encroachment Condition (pVEC). A VEC results from "the presence or likely presence of any chemicals of concern in the indoor air environment of existing or planned structures on a property caused by the release of vapor from contaminated soil or groundwater on the property or within close proximity to the Subject Property, at a concentration that presents or may present an unacceptable health risk to occupants." A pVEC is "a condition that exists when screening indicates the possibility of a VEC, but where there is insufficient data to ascertain the presence or likely presence of chemicals of concern (COCs) in the indoor air environment." "Chemicals of Concern" are defined by the ASTM to be "chemicals in the subsurface environment that are known or reasonably expected to be present, that can potentially migrate as a vapor into an existing or planned structure on a property, and that are generally recognized as having the potential for an adverse impact on human health."

Cascade Environmental reviewed available information for the Subject Property and nearby properties, including a regulatory database; files for nearby release sites, and/or historical documentation, to determine if potential vapor-phase migration concerns might be present which could impact the Subject Property.

Per the ASTM E 2600-10 vapor encroachment screening standards, certain incidents must be evaluated for the potential for a vapor encroachment condition. These include, but are not limited to:

- Present and former gas station sites (with benzene, toluene, ethylbenzene, and xylenes (BTEX), etc.)
- Present and former dry cleaner sites (with perchloroethylene (PCE), etc.)
- Present and former industrial sites, particularly those using chlorinated solvents (such as trichloroethylene (TCE), PCE, dichloroethane (DCA), etc.)

Based on a review of available resources as documented in this report, Cascade Environmental has found there is potential for the release of vapor encroachment contaminants of concern

(as identified in ASTM E 2600-10) into the subsurface due to past or present environmental conditions on the Subect Property.

6.4 TWO PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) COMPOUND

The U.S. EPA on April 19, 2024, announced its Final Rule designating two per- and polyfluoroalkyl substances compounds – perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), including their salts and structural isomers – as "hazardous substances" under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund). National efforts to phase out the use of these compounds is a relatively new effort, and these chemicals have been commonly used since the 1950s.

PFAS are a unique assortment of manufactured compounds that are often used in consumer, military, industrial and firefighting applications. Specifically, in cleaning products, carpeting, paper food packaging, pesticides and Aqueous Film Forming Foam (AFFF).

PFAS compounds demonstrate particular characteristics that provide stability and make them resistant to degradation. As a result, they bioaccumulate in human tissue, residue, groundwater and soil.

Based on available information, it is the opinion of Cascade Environmental that the potential for the presence of Per- and polyfluoroalkyl substances at the Subject Property is possible. As redevelopment will involve removing existing structures, utilities, fill, and topsoil, this is not an environmental concern for the property.

6.5 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

The following additional sources were contacted to obtain information indicating an existing or potential REC in connection with the Subject Property:

Table D: Additional Resources Reviewed

Additional Resources	
Agency Name/Date of Contact/Information	Findings:
Drug Enforcement Agency (DEA) and Oregon State Police	Cascade Environmental researched the DEA clandestine drug lab database. No drug labs were identified on the database in the vicinity.
Oregon Department of Geology and Mineral Industries (DOGAMI) Interactive Maps & Geospatial Data	Cascade Environmental researched the Oregon DOGAMI maps. No mining permits or mineral deposits were identified at the Subject Property, or in the immediate vicinity.

US Department of Fish and Wildlife Wetland Mapper	Cascade Environmental researched the US Department of Fish and Wildlife Wetland Mapper. No wetlands were identified at the Subject Property. Freshwater shrub/forested wetland is located on the adjacent south properties.

7.0 REVIEW OF SITE HISTORY

Our understanding of the history and background of the Subject Property is based on a review of historical aerial photographs, city directories, USGS topographic maps and additional research, as well as commonly known historic information about the vicinity.

7.1 HISTORIC AERIAL PHOTOGRAPHS

Historical aerial photographs (1953-2023) were obtained through ERIS and Google Earth. These aerials were sourced through the National Agriculture Information Program, US Geological Survey, Army Corps of Engineers and the Agriculture and Soil Conservation Service. They were reviewed for this assessment (see Appendix A) to evaluate potential RECs associated with the Subject Property or surrounding properties and are summarized in the table below.

Table E: Aerial Photograph Synopsis

Locale	Details and years
Subject Property	The 1953 photograph shows is too blurry to determine details, aside from road to the west and east. It is possible that structures are located at the property (1953).The property is developed with two structures, one in the northeast corner and another along the western border. No significant changes are apparent (1969, 1975). It appears that the northeastern structure has been removed. A structure remains in the northwest edge of the property (1986). A structure is located on the Subject Property but appears with a different footprint than before (1994, 2000, 2003, 2004, 2005, 2009, 2011, 2012). The single-family residential structure was demolished (2014, 2016, 2018, 2019, 2022). The detached garage was demolished (2023)
Adjacent north	The 1953 photograph shows is too blurry to determine details. Adjacent north appears developed with several structures (1962). No significant changes are apparent (1969, 1975, 1986, 1994, 2000, 2003).
Adjacent south	The 1953 photograph shows is too blurry to determine details. Adjacent south appears undeveloped and covered with trees (1962). No significant changes are apparent (1969, 1975, 1986, 1994, 2000, 2003, 2004, 2005, 2009, 2011, 2012). A small structure was added at the trailhead (2022).
Adjacent east	The 1953 photograph shows is too blurry to determine details, aside from railroad and highway to the east. Adjacent east is undeveloped (1962). No significant changes are apparent (1969, 1975, 1994, 2000). A large warehouse has been

	added on the adjacent southeast property (2000, 2003, 2014, 2016, 2018, 2019). No changes are apparent (2022).
Adjacent west	The 1953 photograph shows is too blurry to determine details, aside from Warren Street and Spruce Street have been cleared. Adjacent west is developed with multiple structures (1962). No significant changes are apparent (1969, 1975, 1986, 1994, 2000, 2003, 2014, 2016, 2018, 2019).

7.2 SANBORN FIRE INSURANCE MAPS

Historical Sanborn Insurance Maps were reviewed. No Sanborn Maps are available for the Subject Property or vicinity.

7.3 HISTORICAL TOPOGRAPHIC MAPS

Cascade Environmental received a report from ERIS and searched the USGS Historical Topographic Map Explorer for any available historic topographic maps of the Nehalem, Garibaldi and Kilchis River vicinity. Maps were available for the years 1937-2020.

The observed details of the map are summarized in the table below and included in Appendix B. No features of environmental concern were identified on the topographic maps.

Table F: Topographic Map Synopsis

Locale	Details and years
Subject Property	The Subject Property is indicated as vacant lot at the corner of Spruce and Warren Streets (1937, 1943). A structure is indicated onsite (1955). A structure remains onsite (1985). No structures are indicated on the 2014, 2017 and 2020 topographic maps.
Adjacent properties	Structures are indicated adjacent south, west and north. Railroad runs adjacent east, beyond which is Highway 101. Bay City is developed with town enter to the north (1937, 1943). Wetlands are visible to the west and south, along the bay and estuary. More structures have been developed in the immediate vicinity. A creek is visible to the south, in the estuary (1955). The structures to the south are no longer indicated (1985). No structures are indicated on the 2014, 2017 and 2020 topographic maps and no significant environmental concerns are identified.

7.4 HISTORIC CITY DIRECTORIES

A search was conducted for city directories that include coverage of the Subject Property area using the ERIS provided City Directory Search. ERIS reported the search coverage identified directories from 1994-2024 were identified for the Subject Property (current and historic addresses) and/or adjacent properties. The Subject Property first appears in the City Directories in 1999. All relevant city directory information provided to Cascade Environmental is indicated in Table H below, and is included in Appendix B. All adjacent properties are residential, and no significant environmental concerns were identified through the city directory search. The City Directories are summarized in Table H, below:

Table G: City Directory Synopsis

Locale	Address	Listing
Subject Property	7845/7855 Warren Street	Etheridge Ralph & Hattie (1994); Etheridge Hattie (1997); Etheridge Ralph (1997); Ralph & Hattie Etheridge (2000-2007); Hattie Etheridge (2012-2023)
Adjacent East	Southern Pacific Railroad	
Adjacent West/NW	4790 Spruce Street	Reeves H R (1997); H R Reeves (2003-2007)
	7840 Warren Street (2 lots)	Lane William (1997); William Lane (2007); Ricky Lane (2012-2016); Janet Lane (2012-2023)
Adjacent North	7865 Warren Street	Hester Fay (1997); Hester Ken (1997); K W Hester (2000); Ken & Fay Hester (2007); Pat Hester (2012); Pats Derby Garage (2016); Patrick Hester (2020-2023)
Adjacent South	4905 Spruce Street	Kilchis Point Reserve
Adjacent SE	5000 Spruce Street	Kilchis Point Reserve
Adjacent SW	4785 Spruce Street	Adamson De Verne (1994); Beard Vonnie (1997); De Verne Adamson (2000-2003); Vonnie Beard (2007)

The above listed directories were reviewed at approximately 5-year intervals. Cascade Environmental attempted to identify former street names and aliases and if identified, these were also included in the review.

7.5 BUILDING PERMITS

To determine the prior uses of the Subject Property, Cascade Environmental personnel reviewed available mechanical, electric and building permit records through the City of Nehalem and Tillamook County. No permits of environmental significance were found.

8.0 SITE RECONNAISSANCE

Cascade Environmental conducted a site reconnaissance at the Subject Property on Monday, December 30, 2024. The weather was partly cloudy and 50° Fahrenheit with 87 percent humidity and four mile per hour southern winds. The site reconnaissance was conducted to evaluate the Subject Property for visible evidence of potential or documented RECs. The surrounding properties were also observed by representatives from Cascade Environmental and are summarized in Section 8.2 below.

8.1 OBSERVED SUBJECT PROPERTY INFORMATION

The Subject Property features identified during our reconnaissance are shown in Figure 2. Photographs of the site layout and significant features are presented in Figure 3. The site reconnaissance observations are indicated in the table below.

TABLE H: Site Reconnaissance Synopsis – Subject Property

Feature	Synopsis
Property Use and Structures	The property is developed with a one-story manufactured home and carport. An overgrown garden is located between the house and the street. The remainder of the property is grass and trees.
Roads	Spruce Street is located adjacent south, and Warren Street is located adjacent west.
Hazardous Substances and Petroleum Products	Minor amounts of household chemicals were identified in the kitchen and laundry areas.
Drums	No drums were observed at the Subject Property.
Unidentified Containers	No unidentified containers were observed at the Subject Property.
Odors Indicative of a Recognized Environmental Condition	Mold and mildew smells were prevalent.
Drains	No drains were observed.
Pools of Liquid or Sumps	No pools of liquid or sumps were observed,
Electrical and Hydraulic Equipment	No hydraulic equipment was observed.
Surface Water	No surface water was observed.
Stained Surfaces or Stressed Vegetation	No stained surfaces or stressed vegetation were observed.
Solid Waste	The Subject Property is in an area serviced by municipal garbage and recycling.
Wells	No water wells were observed.
Fill Material	No fill material was observed.

8.2 OBSERVED ADJACENT PROPERTIES INFORMATION

The adjacent property features identified during our reconnaissance are shown in Figure 2. Photographs of the adjacent sites are provided in Figure 3. The adjacent site observations are indicated in the table below:

TABLE I: Site Reconnaissance Synopsis – Adjacent Properties

Feature	Synopsis

Property Uses and Structures	Cascade Environmental personnel observed adjacent properties. Adjacent north, west and southwest are residential properties. Adjacent southeast and south are properties owned by Kilchis Point Reserve and Tillamook County Pioneer Museum Foundation.
Hazardous Substances and Petroleum Products	No hazardous substances or petroleum products were observed.
Gas Stations, Automotive Repair, or Storage Tanks	No gas stations or automotive repair facilities were observed.
Dry Cleaning	No dry cleaners were observed on adjacent properties.
Industrial Operations/ Manufacturing/ Fabrication	No industrial operations were observed.
Drains	Aside from storm drains, no drains were observed on adjacent properties.
Pools of Liquid or Sumps	No pools of liquid or sumps were observed on adjacent sites.
Surface Water	No surface water was observed on adjacent properties.
Remediation or Monitoring Equipment	No remediation or monitoring equipment was observed on adjacent properties.
Railroad Spurs or Tracks	Adjacent east railroad tracks were observed.

8.3 SEWAGE DISPOSAL SYSTEM

The Subject Property is connected to city sewer provided by Bay City Public Works.

8.4 POTABLE WATER SOURCE

The Subject Property is serviced by municipal water provided by Bay City Public Works.

8.5 WATER WELLS

A review of the Oregon Water Resources Database well log indicated no domestic water wells at the Subject Property or in the immediate vicinity.

9.0 INTERVIEWS

In accordance with ASTM E1527-21 guidance, current owners and occupants of the Subject Property, the report User and government officials are to be interviewed regarding the status of the Subject Property.

9.1 REPORT USER

According to Liane Welch, project manager with Tillamook Estuaries Partnership, a neighbor who has lived in the neighborhood for 60 years reported an old house that is no longer there

and had a septic system. She was not aware whether the septic tank was removed or not. In addition, when they burned the garage, some of the old remnants was buried in the dirt.

Ms. Welch filled out the Cascade Environmental provided questionnaire. The project is titled TWP Estuary Science Center. She verified the property tax lot numbers and the last sale date of November 2024. They plan to demolish the structure to develop an Estuary Science Center on the property. The purpose of this investigation is for due diligence in a potential bank loan for construction. She provided the asbestos and geotechnical reports to Cascade personnel (as summarized in Section 5.1) According to Ms. Welch, the property was purchased in 1986 and a manufactured home was placed in 1987. According to the questionnaire, recreational drugs were consumed in the house, possibly methamphetamine. There was a garage on the property, but it burned down several years ago. They plan to burn the manufactured home with the Bay City Fire Department and are in communication with the Fire Chief regarding these plans.

There are no wells on the property and there are no known vent pipes, fill pipes or access ways protruding from the ground. There is not an active septic system or cesspool. The property is on municipal water supply and the water is below the EPA maximum contaminant levels. It is unknown if there are any unregistered storage tanks above or below ground, currently or historically. There are no pits, ponds or lagoons located on the property and no historic quarries, mines or mills. There are no transformers or hydraulic equipment. She was unsure of any flooring, drains or walls are emitting foul odors. It is unknown if any flooring, drains or walls located in the facility have been stained by substances other water because of the significant debris throughout. The property has not been used as a landfill, illicit or permitted. No portion of the property is covered by water or waterlogged for long periods of time. There are no known environmental liens or governmental notifications and no past, threatened or pending lawsuits or administrative proceedings. There are no known hazardous substances or petroleum products. The property does no discharge wastewater on or adjacent to the property other than stormwater. There are no damaged or discarded automotive or industrial batteries and no large volume pesticides, paints or other chemicals. There are no industrial drums and there is no history of industrial use of the Subject Property.

No environmental concerns were identified through this questionnaire.

9.2 GOVERNMENT OFFICIALS

Cascade Environmental performed research through Tillamook County Assessment and Taxation, Clerk's Office, Building Codes Services and Planning Department Information Services, and Bay City wastewater and water services. These records and interviews are discussed throughout the report.

Oregon DEQ's website was checked for records of USTs, LUSTs, air quality permits and hazardous waste permits. The Drug Enforcement Agency and Oregon Police websites were assessed for information about local clandestine drug lab listings. No drug labs were identified.

Current and prior ownership and usage of the project site were verified. The Tillamook County building Department municipal offices were reviewed for records.

No additional information was revealed from these records that was not discussed throughout this report.

Cascade Environmental also reviewed Tillamook County Geographic Information System (GIS) and Zoning code. The zoning of the property was verified. No additional information that has not previously been discussed was identified.

All relevant records are included in Appendix E.

10.0 NON-SCOPE CONSIDERATIONS

The current standard scope of work for the ASTM E1527-21 (Phase I) does not include the following services. Even though these services are currently excluded from the ASTM standard, Cascade Environmental made the following observations of these non-scope considerations during the assessment of the Subject Property to be considered by the report User.

10.1 ASBESTOS EVALUATION

At one time, asbestos (a cancer-causing material) was commonly used as an acoustic insulator; thermal insulator and fire-proofer. In America, it was used in ceiling and floor tiles; wall board sprayed-on insulation; mastics; mortar; roofing materials and pipe wraps until the late 1970s. Raw materials and finished goods inventories of asbestos containing materials (ACMs) were allowed to be utilized until depleted.

When asbestos containing materials (ACM) are disturbed or the materials become damaged, it becomes hazardous. The term ‘friable’ is used to describe asbestos that can be reduced to dust by hand pressure. ‘non-friable’ means asbestos that is too hard to be reduced to dust by hand.

The structure was erected in 1986 and the likelihood of asbestos in building materials is low. A concurrent asbestos survey was performed by Morris Inspections and identified no asbestos containing building materials.

10.2 LEAD-BASED PAINT EVALUATION

Lead is a pliable, soft metal that is used in the construction of pipes, rods, and containers. Before 1978, lead was a common ingredient in paint because it adds strength and extends the life of the paint. In 1978 the EPA banned the use of lead pigments in paints used on interior and exterior residential surfaces. Lead poisoning can result from children having access to, and ingestion of lead-based paint covered surfaces. Inhalation of dust produced by normal oxidation, or scraping/sandblasting of the paint, which may contain significant amounts of

lead, is also a health hazard. The EPA/HUD action level for lead-based paint (LBP) is 0.5% dry weight.

The structure was erected in 1986 and the presence of lead is building materials is unlikely. During the site reconnaissance, suspect lead containing materials were not observed.

10.3 PCB EVALUATION

Some older electrical transformers, capacitors, generators, and fluorescent light ballasts may contain PCB fluid. PCB (Polychlorinated Biphenyl) is recognized as a toxic substance by the EPA under the Toxic Substance Control Act. Any transformer containing PCBs at a concentration of 500 parts per million (ppm) or greater is subject to violations. Leakage from PCB-containing equipment would present an area of environmental concern.

No evidence of PCBs was identified at the Subject Property; however, a formal survey for PCBs was not performed as part of this ESA. Cascade Environmental spoke local utility representatives and determined that they phased out use of PCBs in the transformers in the 1970s. The nearest transformers use oil and have no PCBs. PCB-containing fluorescent light ballasts (FLBs) are potentially present. PCB-containing ballasts should be removed and disposed of as hazardous waste at an approved facility.

10.4 RADON

Radon is a colorless, tasteless radioactive gas with an EPA-specified action level of 4.0 picoCuries per liter of air (pCi/L). Radon gas has a very short half-life of 3.8 days. The health risk potential of radon is associated with its rate of accumulation within confined areas, particularly confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure.

According to regional radon information obtained from the EPA and the Oregon Health Authority the Subject Property is located within EPA-designated Zone 2 for radon gas. Average radon concentrations within Zone 2 are considered to have moderate potential and are predicted have a predicted average indoor radon screening between 2.0and 4.0 pCi/L (picocuries per liter). The vicinity has an average radon screening level of 2.1 pCi/L. The US EPA recommends re-sampling for radon every two to five years.

10.5 MOLD

Mold and mildew were observed on the exterior and interior of the structure.

10.6 WETLANDS

During the site reconnaissance, Cascade Environmental professionals performed a limited visual assessment for conditions of and/or evidence of riparian vegetation, marshy areas, or other features indicative of wetlands. Cascade Environmental observed no evidence of

wetlands at the Subject Property. In addition, the US National Fish and Wildlife mapping application website (http://www.fws.gov/wetlands/Data/Mapper.html) was reviewed. Wetlands were not mapped at the Subject Property.

11.0 CURRENT OPINION OF FINDINGS

Following is a summary of Cascade Environmental's opinion of the current environmental conditions at the Subject Property.

11.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, Cascade Environmental has identified no RECs for the Subject Property.

11.2 HISTORIC ENVIRONMENTAL CONDITIONS

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, no HRECs were identified for the Subject Property.

11.3 CONTROLLED ENVIRONMENTAL CONDITIONS

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, no CRECs were identified for the Subject Property.

11.4 BUSINESS ENVIRONMENTAL RISKS

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, several BERs are noted:

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, the water, mold and mildew damage is a BER for the Subject Property. The structure should be kept locked/inaccessible until demolition.

Based on conversations with neighbors, the historic presence of a septic system associated with the former single-family residential structure, with no evidence of decommissioning or removal is a BER. As the septic system was only associated with a residential property and has been unused for several decades, the probability of any contaminants of concern associated with the cesspool use is low. However, abandoned cesspools can become unstable and collapse, causing a sinkhole or completely collapse within the yard. Falling into a collapsed or collapsing cesspool, that may contain liquids and sludge, can cause serious injury.

A ground penetrating radar survey can be performed to identify the location of the system. Prior to redevelopment, the system can be removed and filled. Per Oregon Administrative Code (340-071-0185), tanks, cesspools, and seepage pits must be pumped by a licensed sewage

disposal service to remove all septage. Tanks, cesspools, and seepage pits must be filled with reject sand, bar run gravel, or other approved material, or the container must be removed and properly disposed.

Based on available information, it is the opinion of Cascade Environmental that the potential for the presence of Per- and polyfluoroalkyl substances at the Subject Property is possible. As redevelopment will involve removing existing structures, utilities, fill, and topsoil, this is not an environmental concern for the property.

11.5 DE MINIMIS ISSUES

Based on the December 30, 2024 site reconnaissance and a review of environmental and municipal records, the dilapidated state of the structure and significant amount of debris in and around the structure are a de minimis issue for the Subject Property. Any remaining debris and building materials should be disposed of according to state and local regulatory standards.

11.6 VAPOR ENCROACHMENT

Based on a review of available resources as documented in this report, Cascade Environmental has identified low potential for vapor encroachment contaminants of concern (as identified in ASTM E 2600-10) into the subsurface at the Subject Property due to onsite and adjacent property uses.

12.0 DATA GAPS

Cascade Environmental Solutions has relied upon certain information and representations contained in the historical documents provided to us. As described by ASTM Standard Designation E1527-21, a data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the historical research objectives have not been met. ASTM Standard Designation E1527-21 requires the Environmental Professional to comment on the significance of data failures and whether the data failure affects our ability to identify Recognized Environmental Conditions. A data failure by itself is not inherently significant; it only becomes significant if it raises reasonable concerns.

During preparation of this report, data gaps, data failures, or significant deviations identified are as follows:

- The ASTM recommended review interval is 5-years. Data gaps were encountered in excess of the recommended interval. However, based on the available information reviewed, these historical data gaps are not believed to be an issue of interest and are not expected to significantly alter the findings, conclusions or recommendations of this assessment.

- Cascade Environmental personnel filed records requests through the Bay City Fire Chief for hazardous materials reports and fire records. No response was received by the issuance of this report.

13.0 DECLARATIONS

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in 40 CFR Part 312.10. I have specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Signature of Environmental Professional

Jennifer Levy

Senior Reviewer

And

Emilie Saks-Webb

Technical Writer

14.0 PERFORMANCE STANDARDS

This Phase I ESA has been prepared for use by Tillamook Estuaries Partnerships (Client). Cascade Environmental does not make any warranties or guarantees regarding the accuracy of information provided or compiled by others. The information presented in this Phase I ESA is based on the research discussed herein and a site reconnaissance conducted on December 30, 2024 at 12:00.

The ASTM standard requires a review of reasonably ascertainable standard historical sources. Reasonably ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable. It is possible that RECs are present on the Subject Property that could not be identified within the scope of this Phase I ESA. Further evaluation of this possibility would require additional research, subsurface exploration, sampling, and/or testing. We have relied upon information provided by others in our description of historic conditions and in our review of regulatory databases and files. The available data does not provide definitive information with regard to all past uses, operations, or incidents at the Subject Property or adjacent properties. The Phase I ESA activities described herein are intended to reduce (but not eliminate) uncertainty regarding the potential for RECs associated with a property. Our services pertaining to this Phase I ESA have been conducted in accordance with the generally accepted environmental practices for Phase I ESAs in this area at the time this report was prepared. No warranty or other conditions, expressed or implied, should be intended.

In performing the services, consultant shall exercise the degree of skill and care normally exercised by consultants in the same community providing the same or similar services for projects of comparable size, complexity, budget, schedule and other characteristics of the project (the "Standard of Care"). Except as set forth in the immediately preceding sentence, consultant makes no warranty, express or implied, with respect to the services or any of its oral or written reports. Client acknowledges and agrees that (I) the services may require judgment to be made by consultant that are based upon limited data rather than upon scientific certainties; (II) consultant's approach, recommendations, and associated cost estimates, if any, are based on industry practices and averages; (III) professional opinions are based upon observations made and data obtained at the time of assessment; and (IV) ultimate outcomes could be inconsistent with the conclusions, results and projections of consultant. All information regarding operations, plans, specifications, conditions, or other data which is provided to consultant by client, owners or third parties (including without limitation, any point of contact at the site), is deemed by consultant to be correct and complete without independent verification by consultant.

15.0 LIMITATIONS OF LIABILITY

In no event shall consultant be liable for latent or hidden conditions, conditions not actually observed by consultant within the limited scope of the services, the potential consequences of observable conditions, conditions of which client had knowledge at the time of the assessment, or any unauthorized assignment of or reliance upon the reports. The liability of the consultant, and that of its officers, directors, employees, agents and subcontractors, to client or to any third party claiming by and through client, including any company affiliated with such parties or any officer, director, employee, agent, subcontractor, successor, or assign of such parties, for any losses, whether in contract or tort (including negligence and strict liability), related to the services, the agreement or otherwise, shall not exceed the aggregate sum of twenty-five thousand dollars ($25,000.00). In no event shall consultant be liable to client for any indirect, incidental, special, or consequential damages (including lost profits) arising from or in any way connected with its performance or failure to perform under the agreement, even if the affected party has knowledge of the possibility of such damages.

Reliance on this report by other parties is strictly at the risk of those parties, and Cascade Environmental will grant no third-party reliance unless specifically requested in writing by our client for whom this report was prepared.

Cascade Environmental performed this work in accordance with generally accepted professional practices related to the nature of the work accomplished, in the same or similar localities, at the time the services were performed. This report is for the specific application to the referenced project and for the exclusive use by Tillamook Estuaries Partnership, Claudine Renn, Liane Welch, John Kirby, Liz Campbell and Kristi Foster. No other warranty, expressed or implied, is made.

16.0 ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS

Jennifer E Levy
7302 North Richmond Avenue
Portland, Oregon 97203

TECHNICAL EXPERTISE AND EXPERIENCE SUMMARY

Jennifer Levy has owned Cascade Environmental Engineering and Consulting, LLC (DBA Cascade Environmental Solutions) since 2011. Cascade Environmental performs work throughout the Pacific Northwest, primarily focusing on commercial properties, parks, natural areas, and forestlands. Cascade Environmental is certified in the states of Oregon and Oregon as a COBID #10012.

EXPERIENCE
-Environmental site assessment (Phase I ESAs and Phase II ESAs)
-Soil, groundwater, and soil vapor sampling; site characterization
-Remediation and site closure
-Stormwater sampling, permitting and compliance
-Bioremediation, in-situ oxidations, and regulatory management
-Media management plans for developments, excavation, and construction
-Permitting, compliance and litigation support
-Indoor and outdoor vapor assessment-Asbestos, lead, and radon sampling

CREDENTIALS

EDUCATION
Lewis and Clark College, JD Environmental Law, 2009
University of Arkansas, MS Environmental Engineering, 2002, 2017
University of Arkansas, BS Electrical Engineering, 2002

CERTIFICATIONS
E.I.T. Arkansas #672040-hour
OSHA HAZWOPER

EMPLOYMENT
Cascade Environmental Solutions, Principal and Co-Founder, 2011
Martin S. Burck Associates, Project Manager 2010-2011
Hart Crowser, Project Manager, 2007-2009

Emilie Saks-Webb
7302 N Richmond Avenue
Portland, Oregon 97203

TECHNICAL EXPERTISE AND EXPERIENCE SUMMARY

Emilie has been working with Cascade Environmental Solutions since 2014. Prior to working with Cascade, she worked professionally in education, technical writing and journalism.

OPERATIONS MANAGEMENT

- Editing and drafting of all office correspondence.
- Drafting and final technical review of all deliverables.
- Proposal writing.
- Correspondence, billing, payment, invoicing and tax records for all contractor and subcontractor work.
- Scheduling and office management.
- Environmental site assessments (Phase I ESAs and Phase II ESAs)
- Hazardous Materials Surveys
- Closure reports and Contaminated Media Management Plans
- EPA Lead Based Paint Renovator Certificate # R-I-41R036-21-00861

EDUCATION
Grand Canyon University, Phoenix, Arizona
M. Ed., K-12 Special Education
December 2011

University of Portland, Portland, Oregon
BS, Journalism and Sociology
June 2002

EMPLOYMENT
Cascade Environmental Solutions
January 1, 2014 - present
Technical Writer and Director of Operations

Self- Employed
May 2012- present
Freelance Copyeditor and Technical Writer

C&M Enterprises
November 1999- present
Property Manager

17.0 REFERENCES

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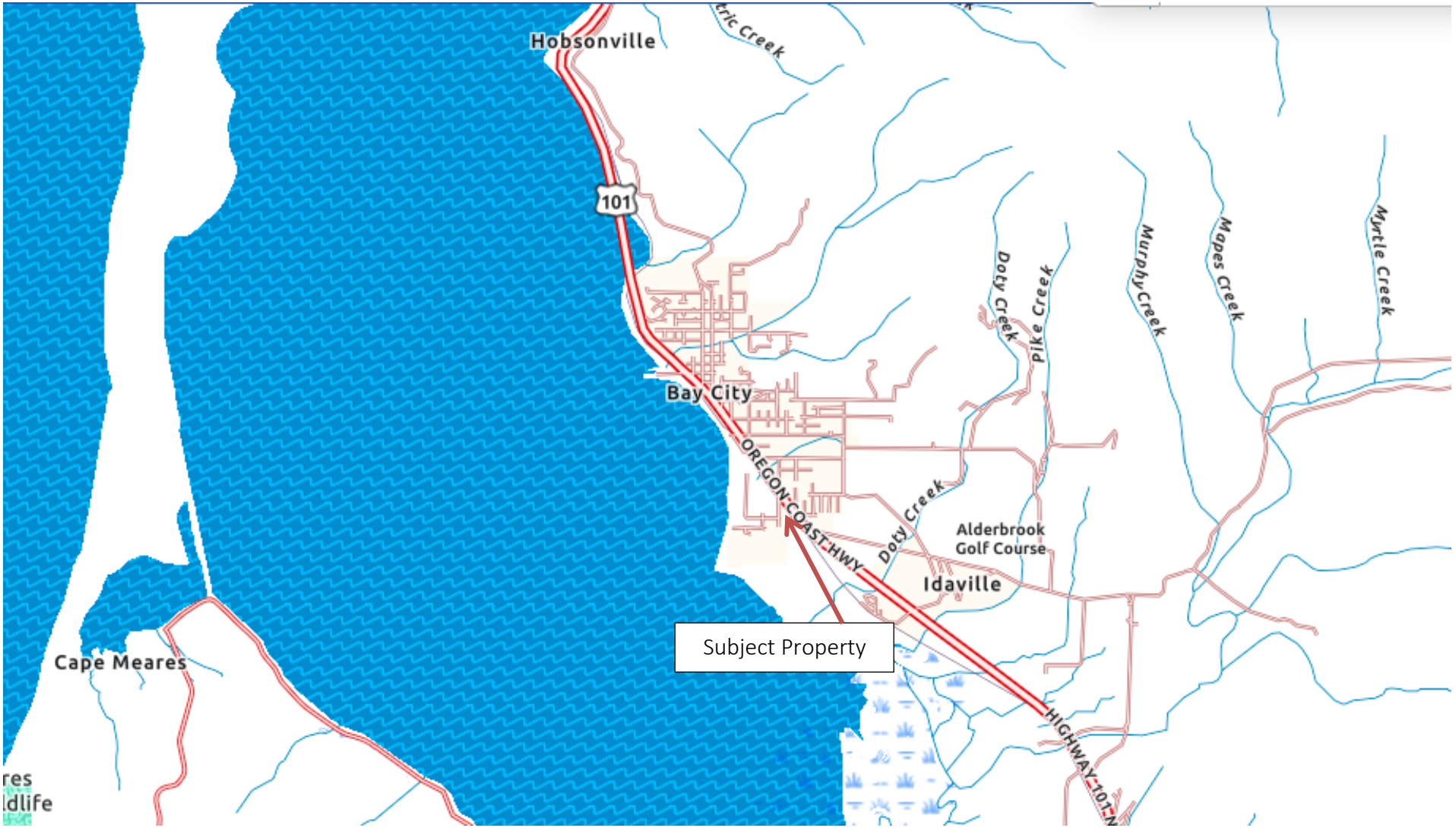
FIGURES



N

FIGURE 1- Vicinity Map
January 2025
7855 Warren Street
Bay City, Oregon 97107
Phase I ESA

North

Figure 2- Site Map
January 2025
7855 Warren Street
Bay City, Oregon
Phase I ESA

Northwestern portion of Subject Property

Subject Property structure

Trees at Subject Property
and adjacent east property

Subject Property front door

Figure 3- Site Photographs
January 2025
7855 Warren Street
Bay City, Oregon
Cascade Environmental Solutions

Back porch

Utility pole and damaged siding

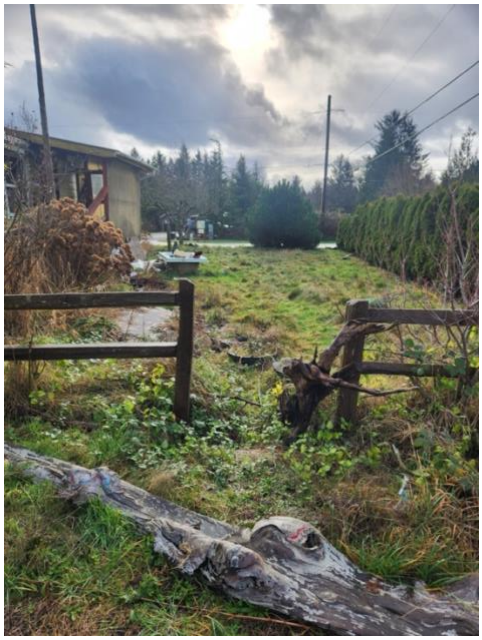
Carport

Subject Property structure, viewed looking south

Figure 3- Site Photographs
January 2025
7855 Warren Street
Bay City, Oregon
Cascade Environmental Solutions

Subject Property concrete pad

Subject Property structure and carport



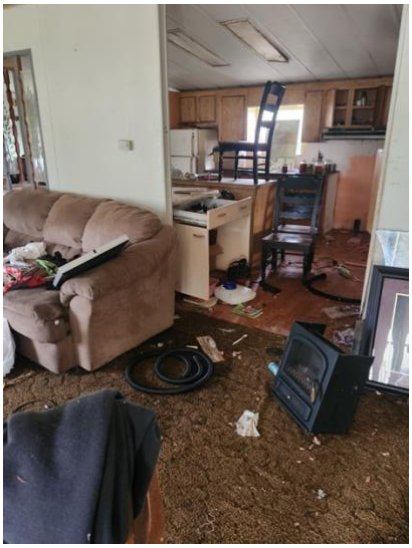
Garden between house and street

Carport

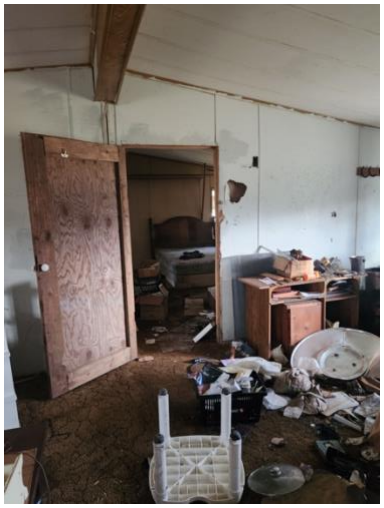
Figure 3- Site Photographs
January 2025
7855 Warren Street
Bay City, Oregon
Cascade Environmental Solutions

Mildew on exterior

Mildew on exterior



Debris throughout interior



Debris throughout interior

Figure 3- Site Photographs
January 2025
7855 Warren Street
Bay City, Oregon
Cascade Environmental Solutions

Debris throughout interior

Warren Street, looking north

Adjacent north property

Adjacent south
Kilchis Point Reserve

Figure 3- Site Photographs
January 2025
7855 Warren Street
Bay City, Oregon
Cascade Environmental Solutions

Adjacent west

Adjacent east

Figure 3- Site Photographs
January 2025
7855 Warren Street
Bay City, Oregon
Cascade Environmental Solutions

APPENDIX A

Historical Aerials and Sanborn Fire Insurance Maps

HISTORICAL AERIALS

Project Property: 120524BayCityWarren
7855 Warren Street
Bay City OR 97107

Project No: 12052401Estuary

Requested By: Cascade Environmental Solutions, LLC

Order No: 24120500928

Date Completed: December 10,2024

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2022	United States Department of Agriculture	1" = 500'	
2020	United States Department of Agriculture	1" = 500'	
2019	Maxar Technologies	1" = 500'	
2018	United States Department of Agriculture	1" = 500'	
2016	United States Department of Agriculture	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2011	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
2004	United States Department of Agriculture	1" = 500'	
2003	United States Department of Agriculture	1" = 500'	
2000	United States Geological Survey	1" = 500'	
1994	United States Geological Survey	1" = 500'	
1986	National Park Services	1" = 500'	
1975	United States Geological Survey	1" = 500'	Best Copy Available
1969	National Aeronautics And Space Admin	1" = 500'	Best Copy Available
1962	Bureau of Land Management	1" = 500'	
1953	United States Geological Survey	1" = 500'	

Year: 2022
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2020
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2019
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2016
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2011
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2009
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2004
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2003
Source: USDA
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 2000
Source: USGS
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 1986
Source: NPS
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 1975
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 1969
Source: NASA
Scale: 1" = 500'
Comment: Best Copy Available

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 1962
Source: BLM
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

Year: 1953
Source: USGS
Scale: 1" = 500'
Comment:

Address: 7855 Warren Street, Bay City, OR
Approx Center: -123.88132717,45.51318251

Order No: 24120500928

ERIS

FIRE INSURANCE MAPS

Project Property: 120524BayCityWarren
7855 Warren Street Bay City OR 97107
Project No: 12052401Estuary
Requested By: Cascade Environmental Solutions, LLC
Order No: 24120500928
Date Completed: December 06, 2024

Please note that no information was found for your site or adjacent properties.

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APPENDIX B

Historical Topographic Maps and City Directories

TOPOGRAPHIC MAPS

Project Property:	120524BayCityWarren
	7855 Warren Street
	Bay City OR 97107
Project No:	12052401Estuary
Requested By:	Cascade Environmental Solutions, LLC
Order No:	24120500928
Date Completed:	December 06, 2024

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2020	7.5
2017	7.5
2014	7.5
1985	7.5
1955	15
1943	15
1937	15

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

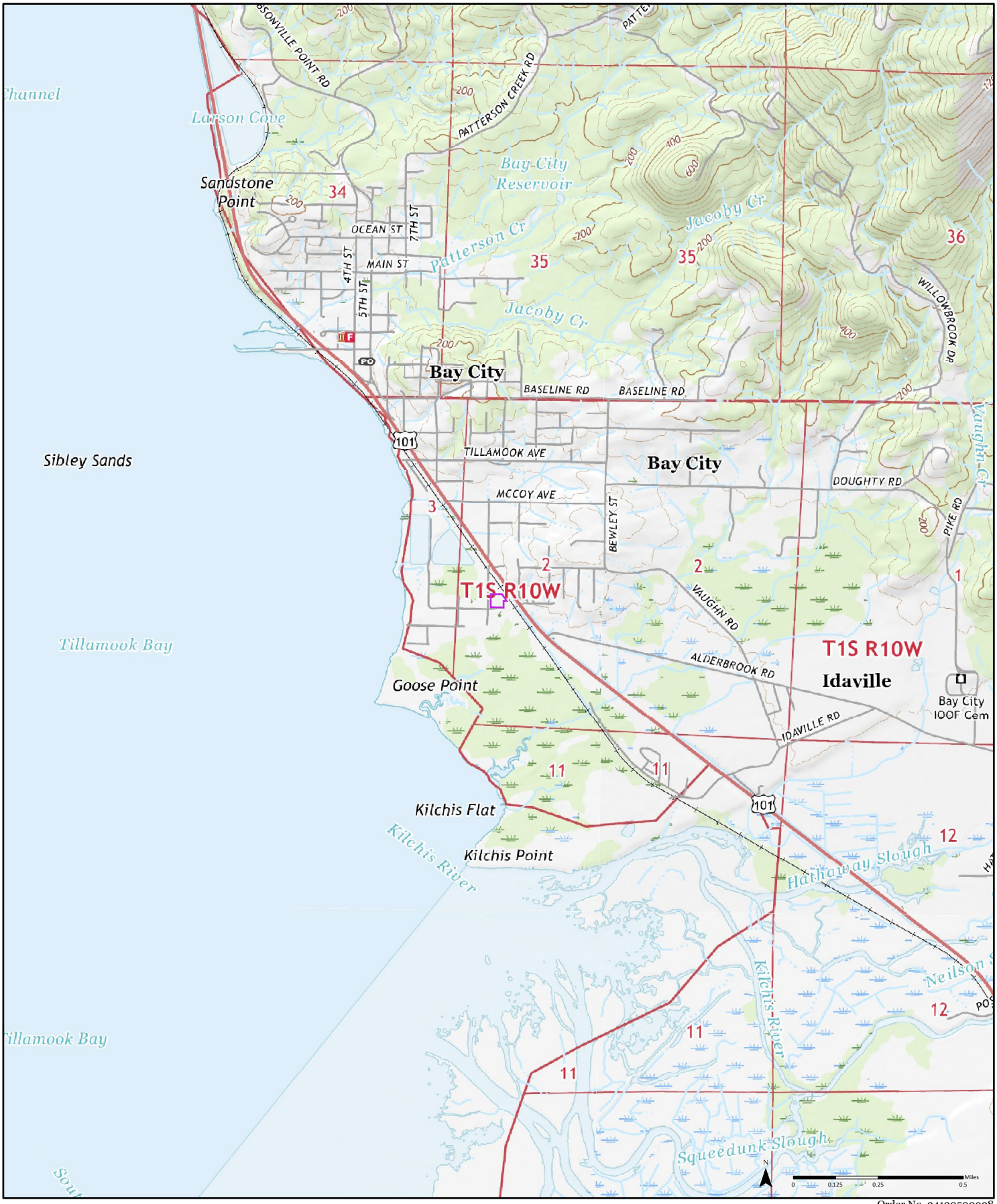
Page 130 of 1928 Topographic Instructions

1947-2009

Topographic Map Symbols

2009-present

US Topo Map Symbols



Order No. 24120500928

2020

Available Quadrangle(s): Garibaldi, OR
Kilchis River, OR
Netarts, OR
Tillamook, OR

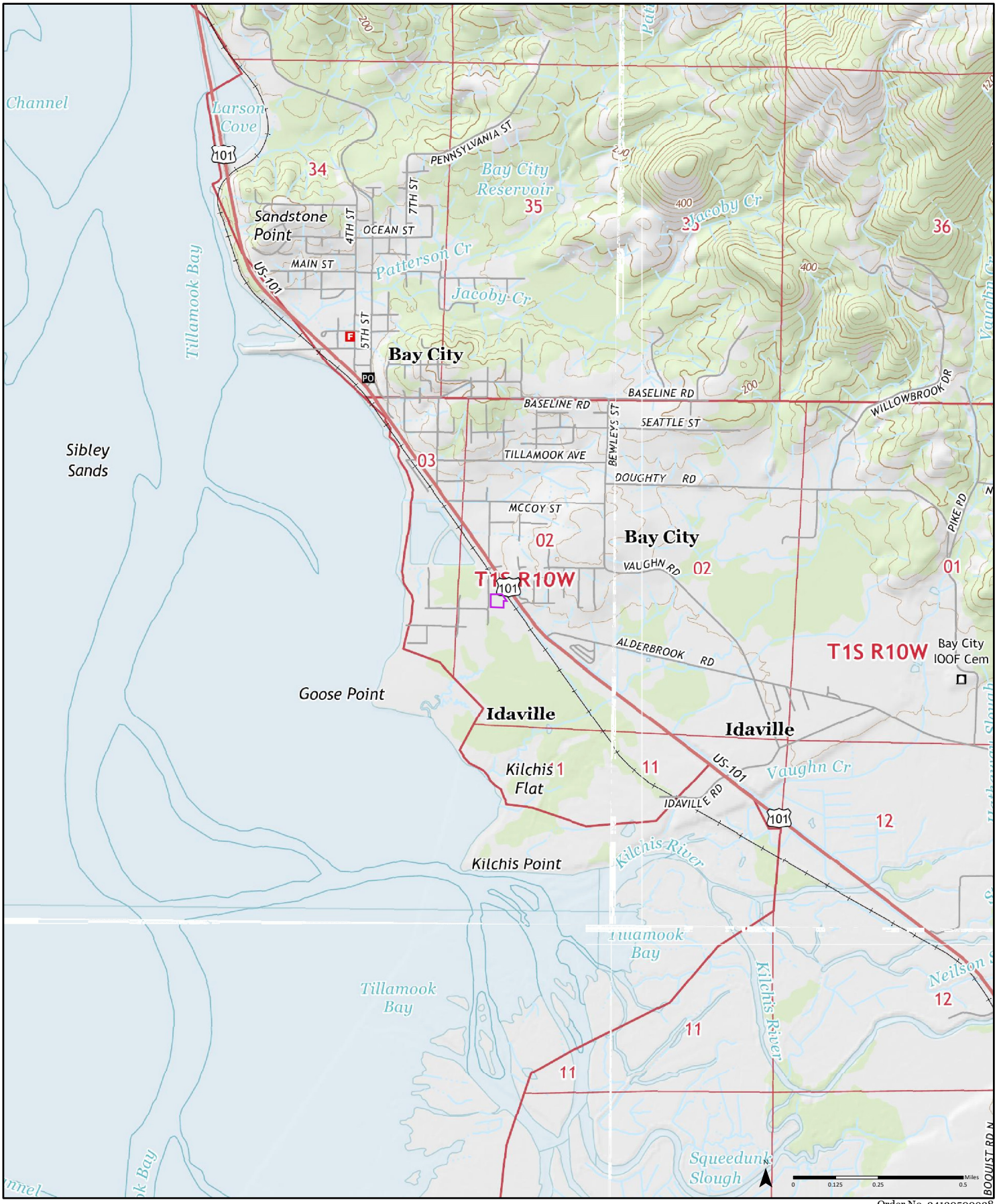
Source: USGS 7.5 Minute Topographic Map

Order No. 24120500928

2017

Available Quadrangle(s): Garibaldi, OR
Kilchis River, OR
Netarts, OR
Tillamook, OR

Source: USGS 7.5 Minute Topographic Map



Order No. 24120500928

2014

Available Quadrangle(s): Garibaldi, OR
Kilchis River, OR
Tillamook, OR
Netarts, OR

Source: USGS 7.5 Minute Topographic Map

1985

(1-1985) *Aerial Photo Year: 1980*

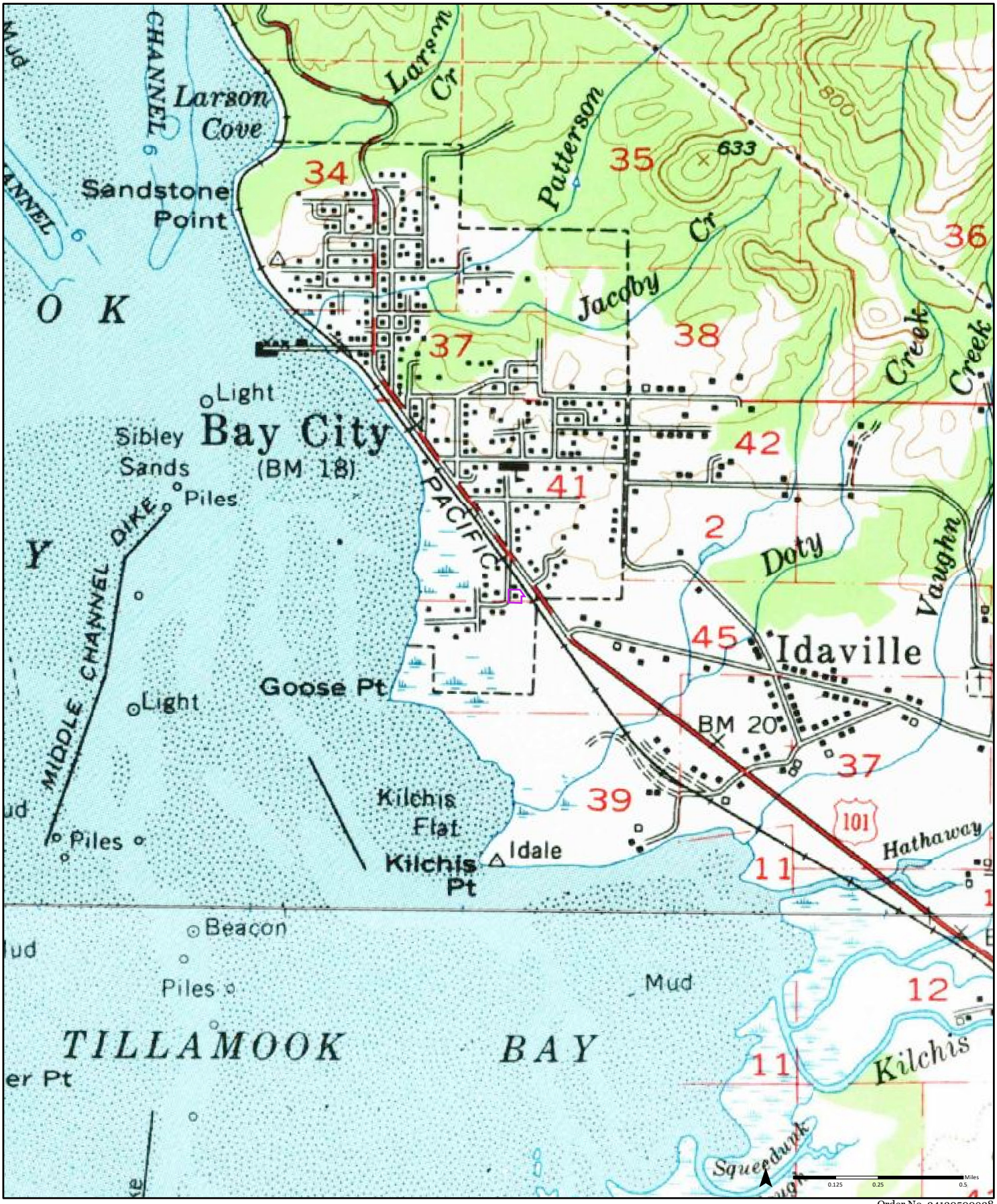
(2-1985) *Aerial Photo Year: 1980*

(3-1985) *Aerial Photo Year: 1980*

Order No. 24120500928

Available Quadrangle(s): Garibaldi, OR(1-1985)
Tillamook, OR(2-1985)
Kilchis River, OR(3-1985)

Source: USGS 7.5 Minute Topographic Map

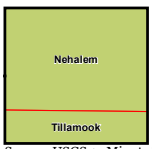


1955

(1-1955) *Aerial Photo Year: 1953*

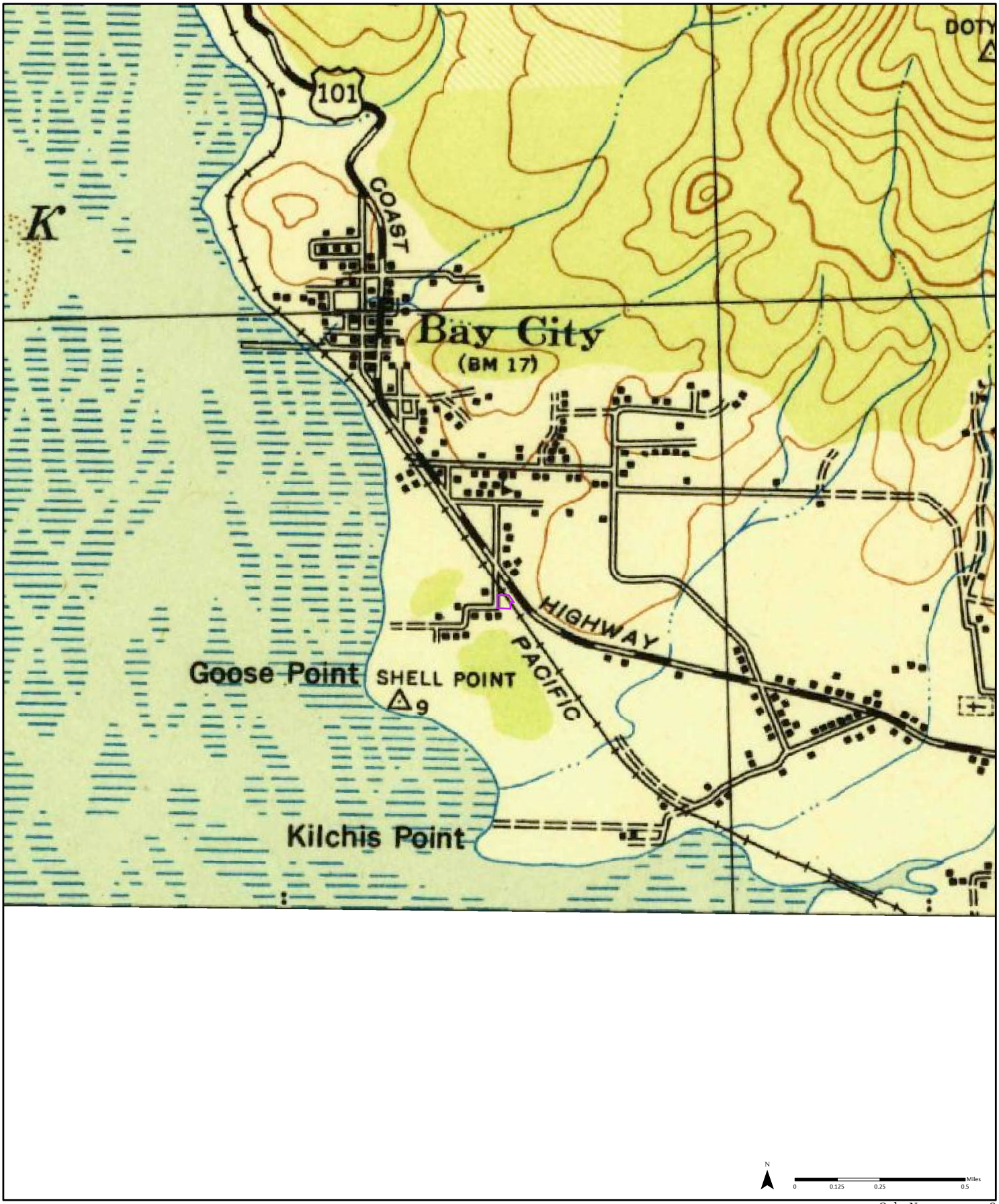
(2-1955) *Aerial Photo Year: 1953*

Order No. 24120500928



Available Quadrangle(s): Nehalem, OR(1-1955)
Tillamook, OR(2-1955)

Source: USGS 15 Minute Topographic Map

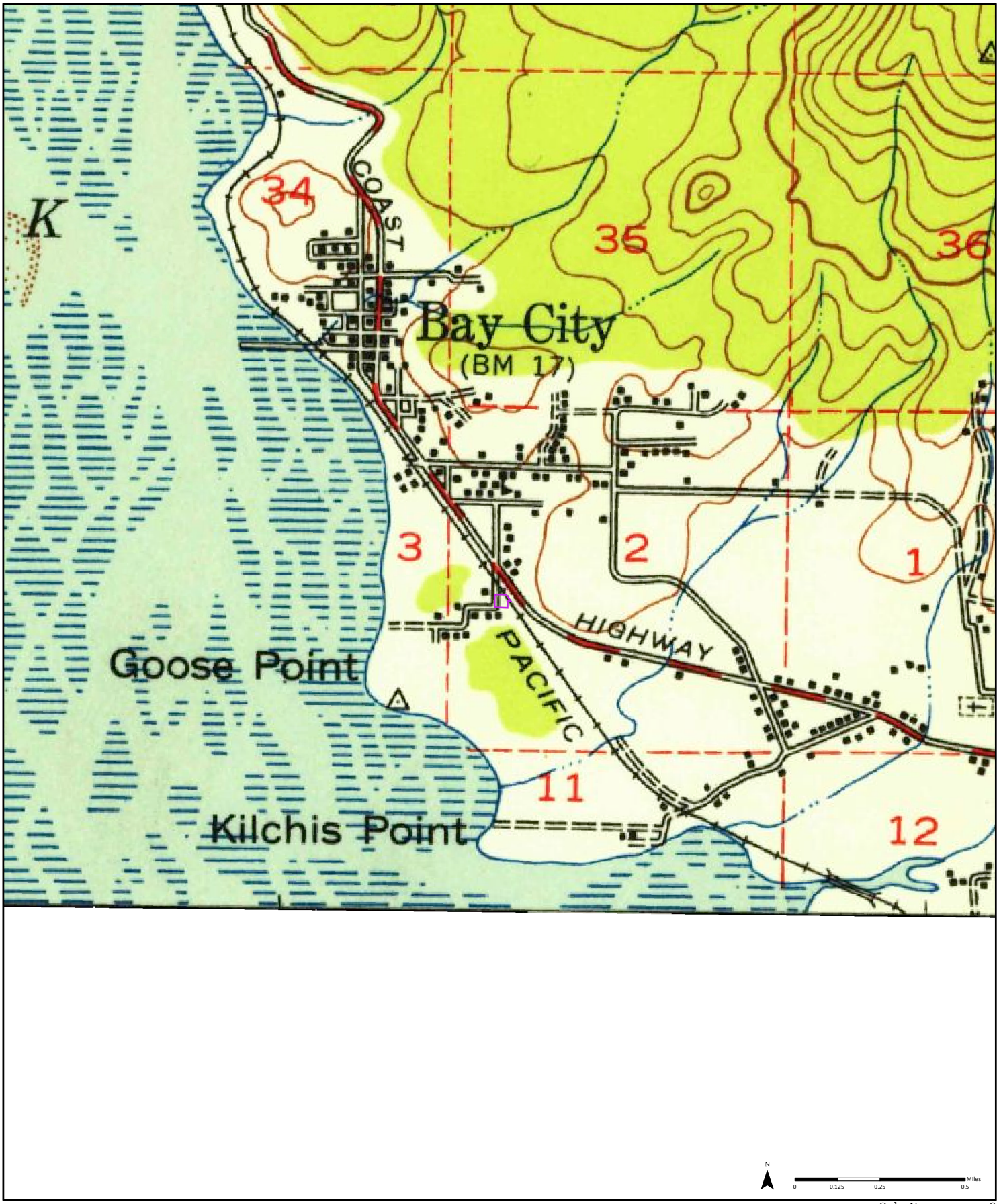


1943 *(1-1943)*
Aerial Photo Year: 1937

Order No. 24120500928

Available Quadrangle(s): Nehalem, OR(1-1943)

Source: USGS 15 Minute Topographic Map



1937 *(1-1937)*

Aerial Photo Year: 1936

Order No. 24120500928

Available Quadrangle(s): Nehalem, OR(1-1937)

Source: USGS 15 Minute Topographic Map

CITY DIRECTORY

Project Property:	*120524BayCityWarren* *7855 Warren Street* *Bay City,OR 97107*
Project No:	*12052401Estuary*
Requested By:	*Cascade Environmental Solutions, LLC*
Order No:	*24120500928*
Date Completed:	*December 13, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

December 13, 2024
RE: CITY DIRECTORY RESEARCH
7855 Warren Street
Bay City,OR 97107

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
ALL of Spruce St
ALL of Warren St
Search Notes:

Search Results Summary

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2007	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1997	POLKS	
1994	POLKS	

2023 SPRUCE ST

SOURCE: DIGITAL BUSINESS DIRECTORY

4655 **LEE GABRIELE**...*RESIDENTIAL*
4680 **DARRIN MOBLEY**...*RESIDENTIAL*
4680 **DENNIS MOBLEY**...*RESIDENTIAL*
4730 **DANIEL ALLEN**...*RESIDENTIAL*
4770 **KEVIN TUMA**...*RESIDENTIAL*
4770 **YVONNE TUMA**...*RESIDENTIAL*
6755 **BAY OCEAN BOYS**...*STORAGE-HOUSEHOLD & COMMERCIAL*
6760 **JODELL DOTY**...*RESIDENTIAL*
6780 **HALLIE KIRKINGBURG**...*RESIDENTIAL*
6805 **ROBERT CRAIG**...*RESIDENTIAL*
6835 **GERALDINE PERRINE**...*RESIDENTIAL*

2023 WARREN ST

SOURCE: DIGITAL BUSINESS DIRECTORY

7750 **ERMA JAMES**...*RESIDENTIAL*
7770 **REBBECCA ROWLAND**...*RESIDENTIAL*
7840 **JANET LANE**...*RESIDENTIAL*
7845 **HATTIE ETHERIDGE**...*RESIDENTIAL*
7865 **PATRICK HESTER**...*RESIDENTIAL*
7880 **ALYSSA WHISLER**...*RESIDENTIAL*
7882 **SHELTERED NOOK**...*BED & BREAKFAST ACCOMMODATIONS*
8115 **BAY VIEW DOOR & MILLWORK CO**...*DOORS*
8115 **BUTCH OLSON GARAGE DOORS INC**...*DOORS-GARAGE*

2020 SPRUCE ST

SOURCE: DIGITAL BUSINESS DIRECTORY

4655 **LEE GABRIELE**...*RESIDENTIAL*
4680 **DARRIN MOBLEY**...*RESIDENTIAL*
4680 **DENNIS MOBLEY**...*RESIDENTIAL*
4770 **KEVIN TUMA**...*RESIDENTIAL*
6755 **BAY OCEAN BOYS**...*STORAGE-HOUSEHOLD & COMMERCIAL*
6755 **BAY OCEAN BOYS SELF STORAGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
6780 **HALLIE KIRKINGBURG**...*RESIDENTIAL*
6805 **ROBERT CRAIG**...*RESIDENTIAL*
6835 **GERALDINE PERRINE**...*RESIDENTIAL*

2020 WARREN ST

SOURCE: DIGITAL BUSINESS DIRECTORY

7750 **ERMA JAMES**...*RESIDENTIAL*
7770 **REBBECCA ROWLAND**...*RESIDENTIAL*
7840 **JANET LANE**...*RESIDENTIAL*
7845 **HATTIE ETHERIDGE**...*RESIDENTIAL*
7860 **SHELTERED NOOK ON TILLAMOOK**...*NONCLASSIFIED ESTABLISHMENTS*
7865 **PATRICK HESTER**...*RESIDENTIAL*
7880 **ALYSSA WHISLER**...*RESIDENTIAL*
8115 **BAY VIEW DOOR MILLWK CO INC**...*DOORS*
8115 **BAY VIEW DOOR & MILLWORK CO**...*DOORS*
8115 **BUTCH OLSON GARAGE DOORS INC**...*DOORS-GARAGE*
8250 **TILLAMOOK COUNTRY SMOKER**...*MEAT-WHOLESALE*

2016 SPRUCE ST

SOURCE: DIGITAL BUSINESS DIRECTORY

4655 **LEE GABRIELE**...*RESIDENTIAL*
4655 **RALPH GABRIELE**...*RESIDENTIAL*
4680 **DARRIN MOBLEY**...*RESIDENTIAL*
4680 **DENNIS MOBLEY**...*RESIDENTIAL*
4680 **LAURA MOBLEY**...*RESIDENTIAL*
4770 **KEVIN TUMA**...*RESIDENTIAL*
4770 **YVONNE TUMA**...*RESIDENTIAL*
6740 **MELVIN PEARIGEN**...*RESIDENTIAL*
6740 **VIVIAN PEARIGEN**...*RESIDENTIAL*
6755 **BAY OCEAN BOYS**...*STORAGE-HOUSEHOLD & COMMERCIAL*
6780 **HALLIE KIRKINGBURG**...*RESIDENTIAL*
6805 **ROBERT CRAIG**...*RESIDENTIAL*
6835 **GERALDINE PERRINE**...*RESIDENTIAL*
6835 **LINDEN PERRINE**...*RESIDENTIAL*

2016 WARREN ST

SOURCE: DIGITAL BUSINESS DIRECTORY

7750 **ERMA JAMES**...*RESIDENTIAL*
7840 **JANET LANE**...*RESIDENTIAL*
7840 **RICKY LANE**...*RESIDENTIAL*
7845 **HATTIE ETHERIDGE**...*RESIDENTIAL*
7865 **PATS DERBY GARAGE**...*AUTOMOBILE REPAIRING & SERVICE*
7880 **ALYSSA WHISLER**...*RESIDENTIAL*
7915 **KLINGELHOFER AUTO REPAIR**...*AUTOMOBILE REPAIRING & SERVICE*
8115 **BAY VIEW DOOR & MILLWORK CO**...*DOORS*
8115 **BUTCH OLSON GARAGE DOORS INC**...*DOORS-GARAGE*

2012 SPRUCE ST

SOURCE: DIGITAL BUSINESS DIRECTORY

4655 **G SPINK**...*RESIDENTIAL*
4655 **GORDON SPINK**...*RESIDENTIAL*
4680 **DARRIN MOBLEY**...*RESIDENTIAL*
4680 **DENNIS MOBLEY**...*RESIDENTIAL*
4730 **MOHAMMAD KHAN**...*RESIDENTIAL*
4750 **A SMITH**...*RESIDENTIAL*
4750 **B SMITH**...*RESIDENTIAL*
4770 **B KELLER**...*RESIDENTIAL*
4770 **KEVIN TUMA**...*RESIDENTIAL*
4770 **PATSY TUMA**...*RESIDENTIAL*
4770 **YVONNE TUMA**...*RESIDENTIAL*
6740 **MELVIN PEARIGEN**...*RESIDENTIAL*
6740 **VIVIAN PEARIGEN**...*RESIDENTIAL*
6755 **BAY OCEAN BOYS**...*STORAGE-HOUSEHOLD & COMMERCIAL*
6805 **DOROTHY CRAIG**...*RESIDENTIAL*

2012 WARREN ST

SOURCE: DIGITAL BUSINESS DIRECTORY

7750 **ERMA JAMES**...*RESIDENTIAL*
7770 **GERALD WYATT**...*RESIDENTIAL*
7770 **TRACY OSKARSON**...*RESIDENTIAL*
7840 **JANET LANE**...*RESIDENTIAL*
7840 **RICKY LANE**...*RESIDENTIAL*
7845 **HATTIE ETHERIDGE**...*RESIDENTIAL*
7865 **PAT HESTER**...*RESIDENTIAL*

2007 SPRUCE ST

SOURCE: DIGITAL BUSINESS DIRECTORY

4680 **DENNIS MOBLEY**...*RESIDENTIAL*
4745 **LOU WEBER**...*RESIDENTIAL*
4785 **VONNIE BEARD**...*RESIDENTIAL*
4790 **H R REEVES**...*RESIDENTIAL*
6740 **ROBERT CRAWFORD**...*RESIDENTIAL*
6755 **BAY OCEAN BOYS**...*STORAGE-HOUSEHOLD & COMMERCIAL*
6760 **WILLIAM J SPENNER**...*RESIDENTIAL*
6780 **ROSS THOMAS**...*RESIDENTIAL*
6805 **ROBERT S CRAIG**...*RESIDENTIAL*

2007 WARREN ST

SOURCE: DIGITAL BUSINESS DIRECTORY

7770 **REXFORD ROWLAND**...*RESIDENTIAL*
7840 **WILLIAM LANE**...*RESIDENTIAL*
7845 **RALPH & HATTIE ETHERIDGE**...*RESIDENTIAL*
7865 **KEN & FAY HESTER**...*RESIDENTIAL*

2003 SPRUCE ST

SOURCE: DIGITAL BUSINESS DIRECTORY

4675 **RANDY & DONNA BUCHHOLZ**...*RESIDENTIAL*
4680 **DENNIS MOBLEY**...*RESIDENTIAL*
4745 **LOU WEBER**...*RESIDENTIAL*
4750 **TNDREW J & TAMI TOTH**...*RESIDENTIAL*
4785 **DE VERNE ADAMSON**...*RESIDENTIAL*
4790 **H R REEVES**...*RESIDENTIAL*
6740 **ROBERT CRAWFORD**...*RESIDENTIAL*
6760 **WILLIAM J SPENNER**...*RESIDENTIAL*
6780 **ROSS THOMAS**...*RESIDENTIAL*
6805 **ROBERT S CRAIG**...*RESIDENTIAL*
6850 **ERIC & PHYLLIS EDHOLM**...*RESIDENTIAL*

2003 WARREN ST

SOURCE: DIGITAL BUSINESS DIRECTORY

7770 **REXFORD ROWLAND**...*RESIDENTIAL*
7845 **RALPH & HATTIE ETHERIDGE**...*RESIDENTIAL*
7915 **KLINGELHOFER AUTO REPAIR**...*ENGINE REPAIR*
8115 **BAY VIEW DOOR & MILLWORK CO**
8115 **BUTCH OLSON DOORS INC**...*LUMBER PRODUCTS*
8250 **TILLAMOOK COUNTRY SMOKER**...*BEEF PRODUCTS, FROM BEEF SLAUGHTERED ON SITE*

2000 SPRUCE ST

SOURCE: DIGITAL BUSINESS DIRECTORY

4655 **GORDON & RUTH SPINK**...*RESIDENTIAL*
4675 **RANDY & DONNA BUCHHOLZ**...*RESIDENTIAL*
4680 **DENNIS MOBLEY**...*RESIDENTIAL*
4745 **LOU WEBER**...*RESIDENTIAL*
4785 **DE VERNE ADAMSON**...*RESIDENTIAL*
6740 **ROBERT CRAWFORD**...*RESIDENTIAL*
6760 **WILLIAM J SPENNER**...*RESIDENTIAL*
6780 **ROSS THOMAS**...*RESIDENTIAL*
6805 **ROBERT S CRAIG**...*RESIDENTIAL*
6850 **ERIC & PHYLLIS EDHOLM**...*RESIDENTIAL*

2000 WARREN ST

SOURCE: DIGITAL BUSINESS DIRECTORY

7770 **REXFORD ROWLAND**...*RESIDENTIAL*
7845 **RALPH & HATTIE ETHERIDGE**...*RESIDENTIAL*
7865 **K W HESTER**...*RESIDENTIAL*
7880 **KEN & GREETJE WILLIAMS**...*RESIDENTIAL*
7915 **KLINGELHOFER AUTO REPAIR**...*ENGINE REPAIR*
8115 **BAY VIEW DOOR & MILLWORK CO**
8115 **BUTCH OLSON DOORS INC**...*LUMBER PRODUCTS*
8250 **TILLAMOOK COUNTRY SMOKER**...*BEEF PRODUCTS, FROM BEEF SLAUGHTERED ON SITE*

1997 SPRUCE ST

SOURCE: POLKS

4680	**MOBLEY DENNIS**
4745	**WEBER LOU**
4785	**BEARD VONNIE**
4790	**REEVES H R**
6740	**CRAWFORD ROBERT**
6760	**SPENNER WILLIAM J**
6780	**THOMAS ROSS**
6805	**CRAIG ROBERT S**

1997 WARREN ST

SOURCE: POLKS

7770	**ROWLAND REXFORD**
7840	**LANE WILLIAM**
7845	**ETHERIDGE HATTIE**
7845	**ETHERIDGE RALPH**
7865	**HESTER FAY**
7865	**HESTER KEN**
7915	**KLINGELHOFER AUTO REPAIR**
8250	**TILLAMOOK COUNTRY SMOKER**

1994 SPRUCE ST

SOURCE: POLKS

4675	**EMSLIE SCOTT & ANNA**
4680	**MOBLEY DENNIS**
4745	**WEBER LOU**
4750	**MEINECKE W A & DONNA B**
4770	**CAMPER BOYD & NANCY**
4785	**ADAMSON DE VERNE**
6740	**CRAWFORD ROBERT**
6760	**SPENNER WILLIAM J**
6780	**THOMAS ROSS**
6805	**CRAIG ROBERT S**
6850	**EDHOLM ERIC & PHYLLIS**

1994 WARREN ST

SOURCE: POLKS

7770	**ROWLAND REXFORD**
7845	**ETHERIDGE RALPH & HATTIE**
7880	**BERNARD KRIS**
7880	**WILLIAMS KEN & GREETJE**
7915	**HESTER K W**
7915	**KLINGELHOFER AUTO REPAIR**

APPENDIX C

ERIS Database Report

DATABASE REPORT

Project Property:	*120524BayCityWarren* *7855 Warren Street* *Bay City OR 97107*
Project No:	*12052401Estuary*
Report Type:	*Database Report*
Order No:	*24120500928*
Requested by:	*Cascade Environmental Solutions, LLC*
Date Completed:	*December 9, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:		*120524BayCityWarren* *7855 Warren Street Bay City OR 97107*
Project No:		*12052401Estuary*
Coordinates:		
	Latitude:	*45.51318251*
	Longitude:	*-123.88132717*
	UTM Northing:	*5,040,338.77*
	UTM Easting:	*431,160.84*
	UTM Zone:	*UTM Zone 10T*
Elevation:		*23 FT*

Order Information:

Order No:	*24120500928*
Date Requested:	*December 5, 2024*
Requested by:	*Cascade Environmental Solutions, LLC*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Product Summary	*Product Summary for Aerials, FIMs & Topos*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	***1***	-	-	***1***
RCRA NON GEN	Y	0.25	0	0	***1***	-	-	***1***
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
UST OSFM	Y	0.25	0	0	0	-	-	0
CRL	Y	1	0	0	0	0	0	0
ECSI	Y	1	0	0	0	0	**1**	**1**
DELISTED SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
HIST SWF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	**1**	**2**	-	**3**
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST DEQ	Y	0.25	0	0	**1**	-	-	**1**
UST DWP	Y	0.25	0	0	0	-	-	0
HSIS	Y	0.25	0	0	0	-	-	0
AST OSFM	Y	0.25	0	0	**1**	-	-	**1**
AST DWP	Y	0.25	0	0	**2**	-	-	**2**
DTNK	Y	0.5	0	0	**1**	0	-	**1**
TANK HOT DECOM	Y	0.25	0	0	0	-	-	0
ENG	Y	0.5	0	0	0	0	-	0
INST	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	**1**	-	-	-	**1**
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	**1**	-	-	-	**1**
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
POWER PLANTS	Y	0.125	0	0	-	-	-	0
State								
PFAS	Y	0.5	0	0	0	0	-	0
AIR PERMITS	Y	0.25	0	0	**1**	-	-	**1**
HIST HAZMAT	Y	0.125	0	0	-	-	-	0
HAZMAT	Y	0.125	0	0	-	-	-	0
SPILLS	Y	0.125	0	0	-	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
TIER 2	Y	0.125	0	0	-	-	-	0
CDL	Y	PO	0	-	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
	Total:		0	**2**	**9**	**2**	**1**	**14**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	ICIS	KILCHIS POINT	WARREN & SPRUCE STREETS BAY CITY OR 97107 ***Registry ID:*** 110066881789	SW	0.01 / 56.46	-2	19
1	FINDS/FRS	KILCHIS POINT	WARREN & SPRUCE STREETS BAY CITY OR 97107 ***Registry ID:*** 110066881789	SW	0.01 / 56.46	-2	19
2	RCRA NON GEN	TILLAMOOK COUNTRY SMOKER LLC	8250 WARREN ST BAY CITY OR 97107 ***EPA Handler ID | Recycler Activity?:*** ORQ000036636 | NO	NNW	0.23 / 1,240.36	-6	19
2	AST OSFM	TILLAMOOK COUNTRY SMOKER	8250 WARREN AVE BAY CITY OR 97107	NNW	0.23 / 1,240.36	-6	22
2	AIR PERMITS	Tillamook Country Smoker, LLC (Bay City Location)	8250 WARREN AVENUE BAY CITY OR 97107	NNW	0.23 / 1,240.36	-6	24
2	AST DWP	TILLAMOOK COUNTRY SMOKER	8250 WARREN AVE BAY CITY OR ***Site ID:*** 003455	NNW	0.23 / 1,240.36	-6	24
3	LUST	BAY CITY, CITY OF	8000 ELLIOT STREET BAY CITY OR 97107 ***Log No | Work Completed Dt:*** 29-93-0170 | 1996-05-15 00:00:00.000	NW	0.24 / 1,269.37	-7	24
3	UST DEQ	BAY CITY, CITY OF	8000 ELLIOT STREET BAY CITY OR ***Facility ID | Status (Web):*** 95 |	NW	0.24 / 1,269.37	-7	26
3	DTNK	BAY CITY CITY OF	8000 ELLIOTT ST BAY CITY OR 971073309	NW	0.24 / 1,269.37	-7	26
4	RCRA VSQG	MCRAE & SONS	8140 BEWLEYS ST BAY CITY OR 97107-9740 ***EPA Handler ID | Recycler Activity?:*** ORQ000022061 | NO	ENE	0.24 / 1,283.45	101	27
4	AST DWP	MCRAE & SONS INC	8140 BEWLEY ST BAY CITY OR ***Site ID:*** 002763	ENE	0.24 / 1,283.45	101	29
5	LUST	BAY CITY DELI MART	8335 HWY 101N BAY CITY OR 97107 ***Log No | Work Completed Dt:*** 29-95-0083 | 1997-09-22 00:00:00.000	NNW	0.28 / 1,479.51	-3	30

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
6	LUST	COUNTRY SMOKER OUTLET	8335 HIGHWAY 101 N BAY CITY OR 97107	NNW	0.28 / 1,479.60	-3	31
			***Log No	Work Completed Dt:*** 29-18-0076 | 2019-01-31 00:00:00.000			
7	ECSI	Tatlock Property	8955 9th St Bay City OR 97107	NNW	0.57 / 3,031.20	118	33
			***Site ID	Invest Status:*** 4305 | No Further Action			

Executive Summary: Summary by Data Source

Standard

Federal

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Oct 21, 2024 has found that there are 1 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MCRAE & SONS	8140 BEWLEYS ST BAY CITY OR 97107-9740	ENE	0.24 / 1,283.45	4
	***EPA Handler ID | Recycler Activity?**: ORQ000022061 | NO*			

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Oct 21, 2024 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TILLAMOOK COUNTRY SMOKER LLC	8250 WARREN ST BAY CITY OR 97107	NNW	0.23 / 1,240.36	2
	***EPA Handler ID | Recycler Activity?**: ORQ000036636 | NO*			

State

ECSI - Environmental Cleanup Site Information Database

A search of the ECSI database, dated Jun 17, 2024 has found that there are 1 ECSI site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Tatlock Property	8955 9th St Bay City OR 97107	NNW	0.57 / 3,031.20	7
	***Site ID | Invest Status**: 4305 | No Further Action*			

LUST - Underground Storage Tank Cleanup List

A search of the LUST database, dated May 1, 2024 has found that there are 3 LUST site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY CITY, CITY OF	8000 ELLIOT STREET BAY CITY OR 97107	NW	0.24 / 1,269.37	3
	***Log No | Work Completed Dt**: 29-93-0170 | 1996-05-15 00:00:00.000*			
BAY CITY DELI MART	8335 HWY 101N BAY CITY OR 97107	NNW	0.28 / 1,479.51	5

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	Log No* | *Work Completed Dt: *29-95-0083 | 1997-09-22 00:00:00.000*			
COUNTRY SMOKER OUTLET	8335 HIGHWAY 101 N BAY CITY OR 97107	NNW	0.28 / 1,479.60	6
	Log No* | *Work Completed Dt: *29-18-0076 | 2019-01-31 00:00:00.000*			

UST DEQ - DEQ Underground Storage Tanks

A search of the UST DEQ database, dated Aug 9, 2024 has found that there are 1 UST DEQ site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY CITY, CITY OF	8000 ELLIOT STREET BAY CITY OR	NW	0.24 / 1,269.37	3
	Facility ID* | *Status (Web): *95 |*			

AST OSFM - OSFM Aboveground Storage Tanks

A search of the AST OSFM database, dated Aug 9, 2024 has found that there are 1 AST OSFM site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TILLAMOOK COUNTRY SMOKER	8250 WARREN AVE BAY CITY OR 97107	NNW	0.23 / 1,240.36	2

AST DWP - Drinking Water Protection Program AST

A search of the AST DWP database, dated Sep 1, 2008 has found that there are 2 AST DWP site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MCRAE & SONS INC	8140 BEWLEY ST BAY CITY OR	ENE	0.24 / 1,283.45	4
	Site ID: *002763*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TILLAMOOK COUNTRY SMOKER	8250 WARREN AVE BAY CITY OR	NNW	0.23 / 1,240.36	2
	Site ID: *003455*			

DTNK - Delisted Storage Tanks

A search of the DTNK database, dated Nov 19, 2024 has found that there are 1 DTNK site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY CITY CITY OF	8000 ELLIOTT ST BAY CITY OR 971073309	NW	0.24 / 1,269.37	3

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Aug 1, 2024 has found that there are 1 FINDS/FRS site(s) within approximately 0.02miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
KILCHIS POINT	WARREN & SPRUCE STREETS BAY CITY OR 97107 ***Registry ID**: 110066881789*	SW	0.01 / 56.46	1

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Apr 13, 2024 has found that there are 1 ICIS site(s) within approximately 0.02miles of the project property.

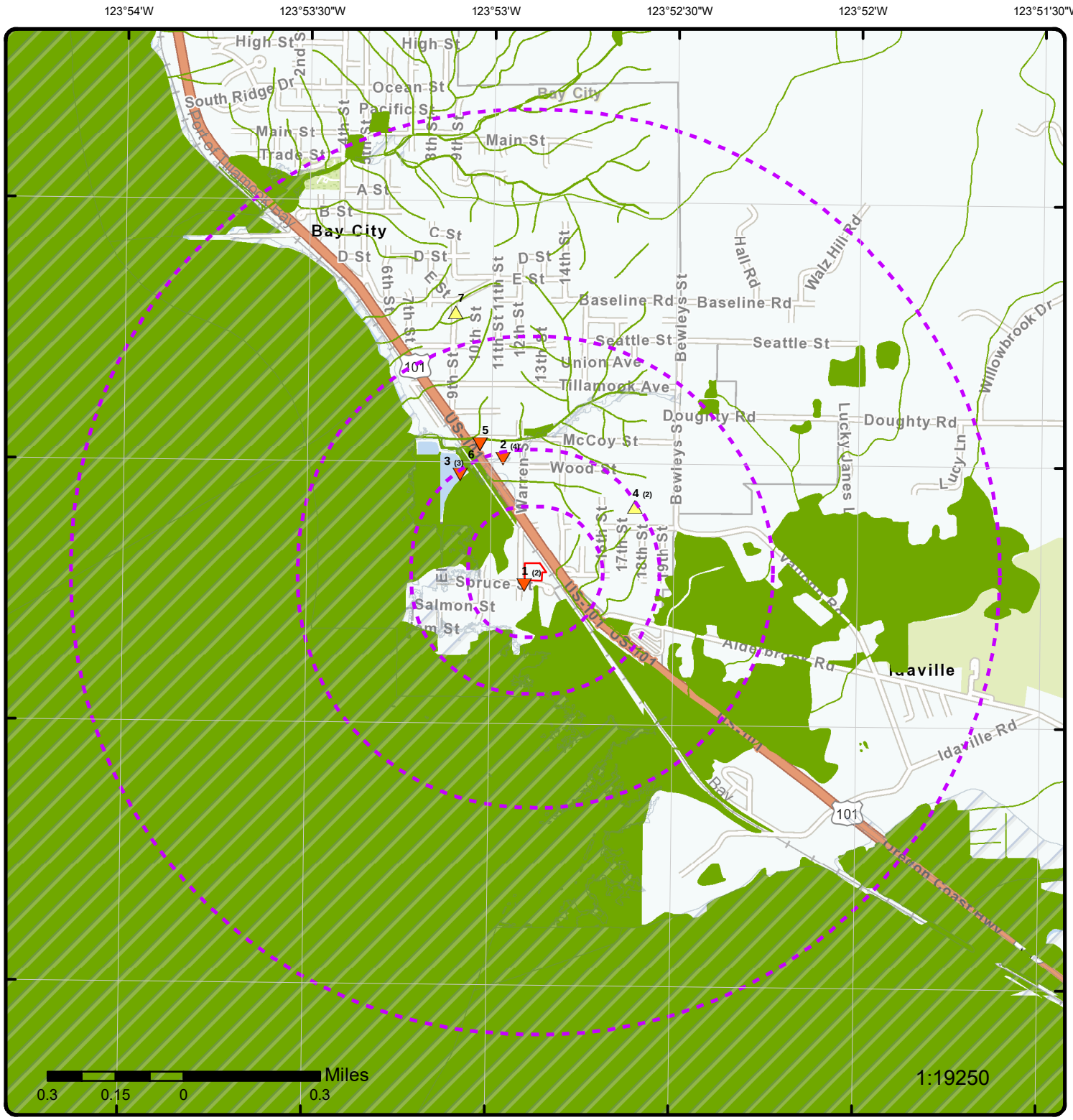
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
KILCHIS POINT	WARREN & SPRUCE STREETS BAY CITY OR 97107 ***Registry ID**: 110066881789*	SW	0.01 / 56.46	1

State

AIR PERMITS - Permitted Air Dischargers

A search of the AIR PERMITS database, dated Sep 16, 2024 has found that there are 1 AIR PERMITS site(s) within approximately 0.25miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Tillamook Country Smoker, LLC (Bay City Location)	8250 WARREN AVENUE BAY CITY OR 97107	NNW	0.23 / 1,240.36	2

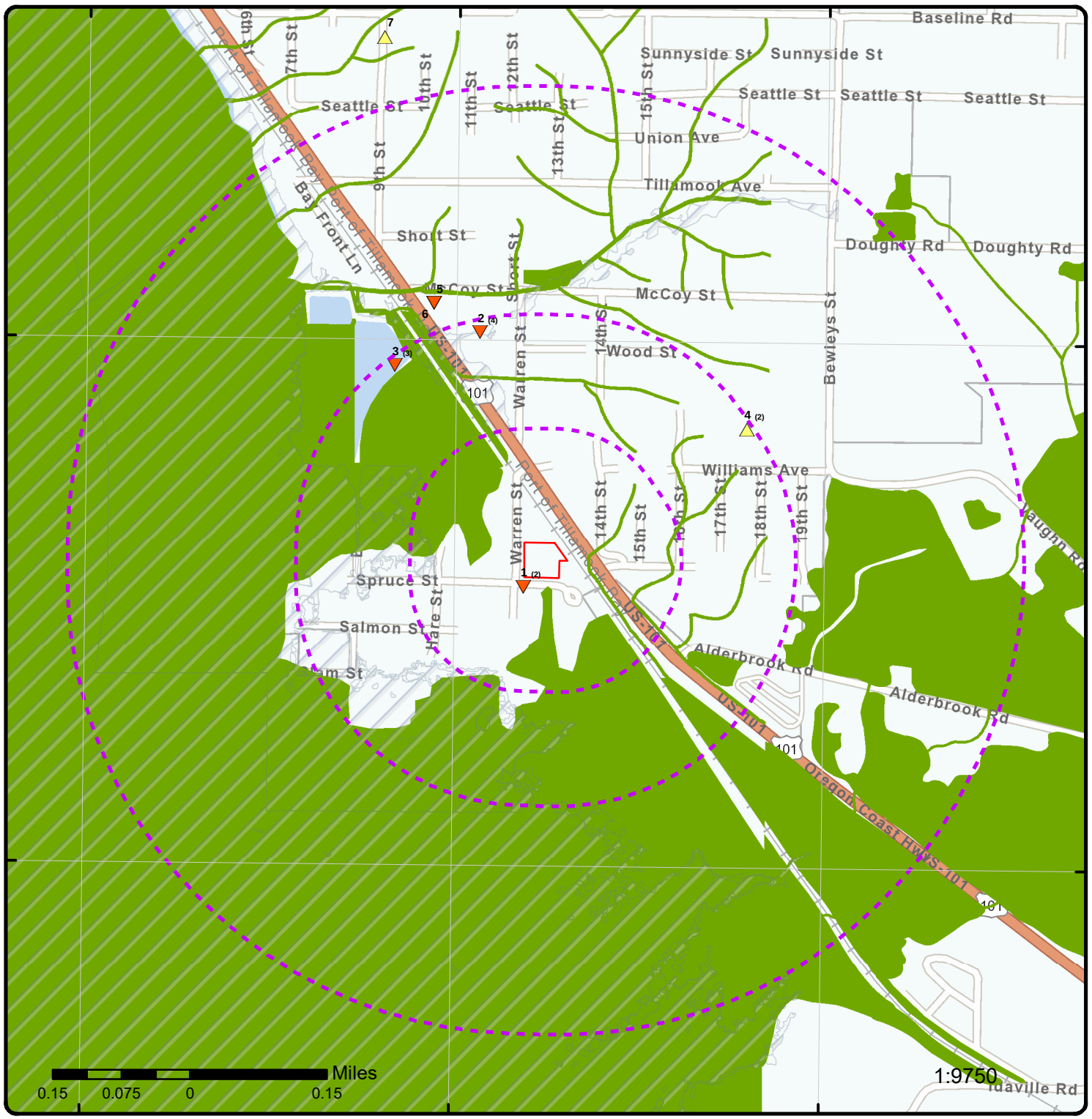


Map: 1.0 Mile Radius

Order Number: 24120500928

Address: 7855 Warren Street, Bay City, OR

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



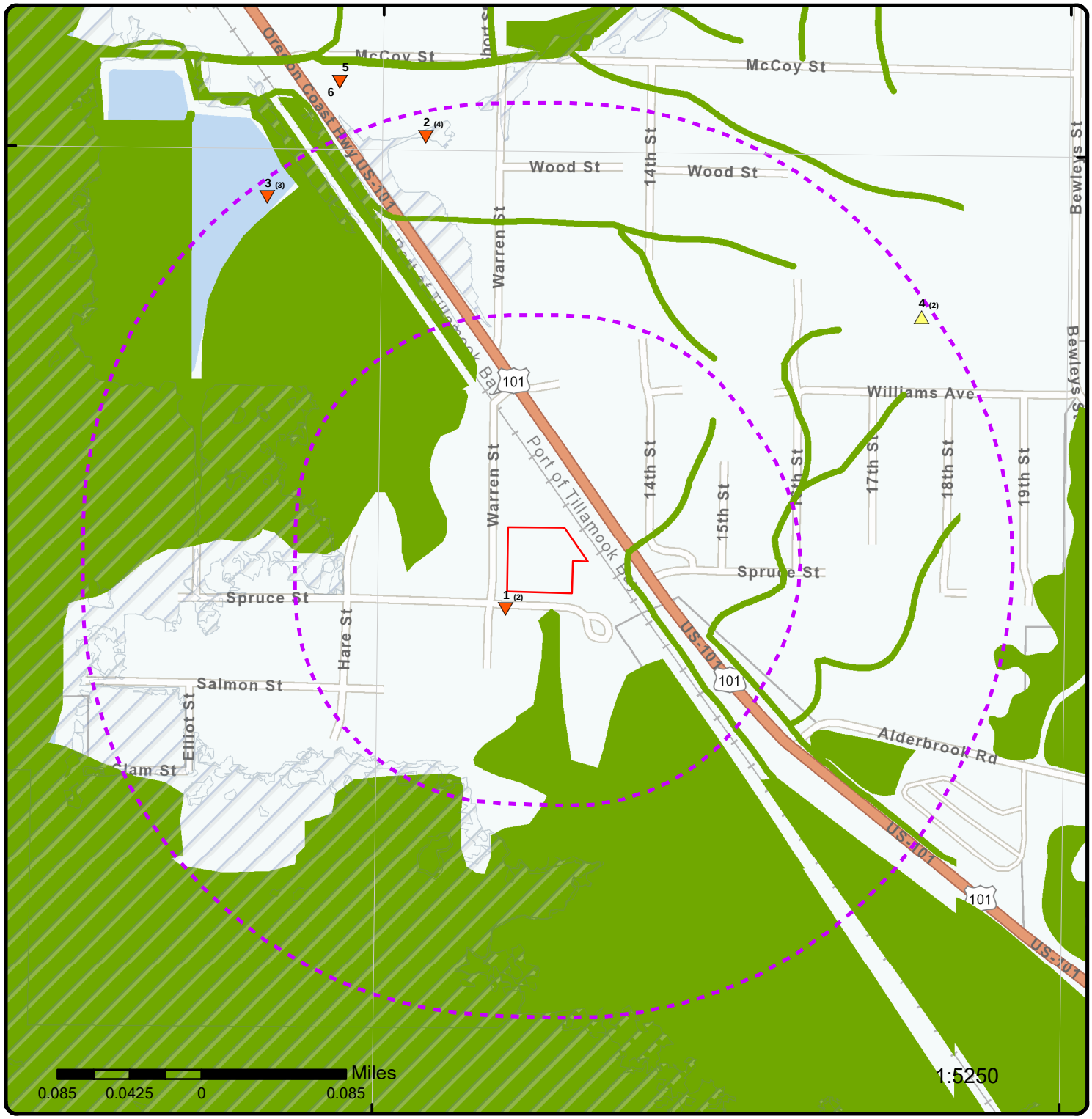
Map: 0.5 Mile Radius

Order Number: 24120500928

Address: 7855 Warren Street, Bay City, OR

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

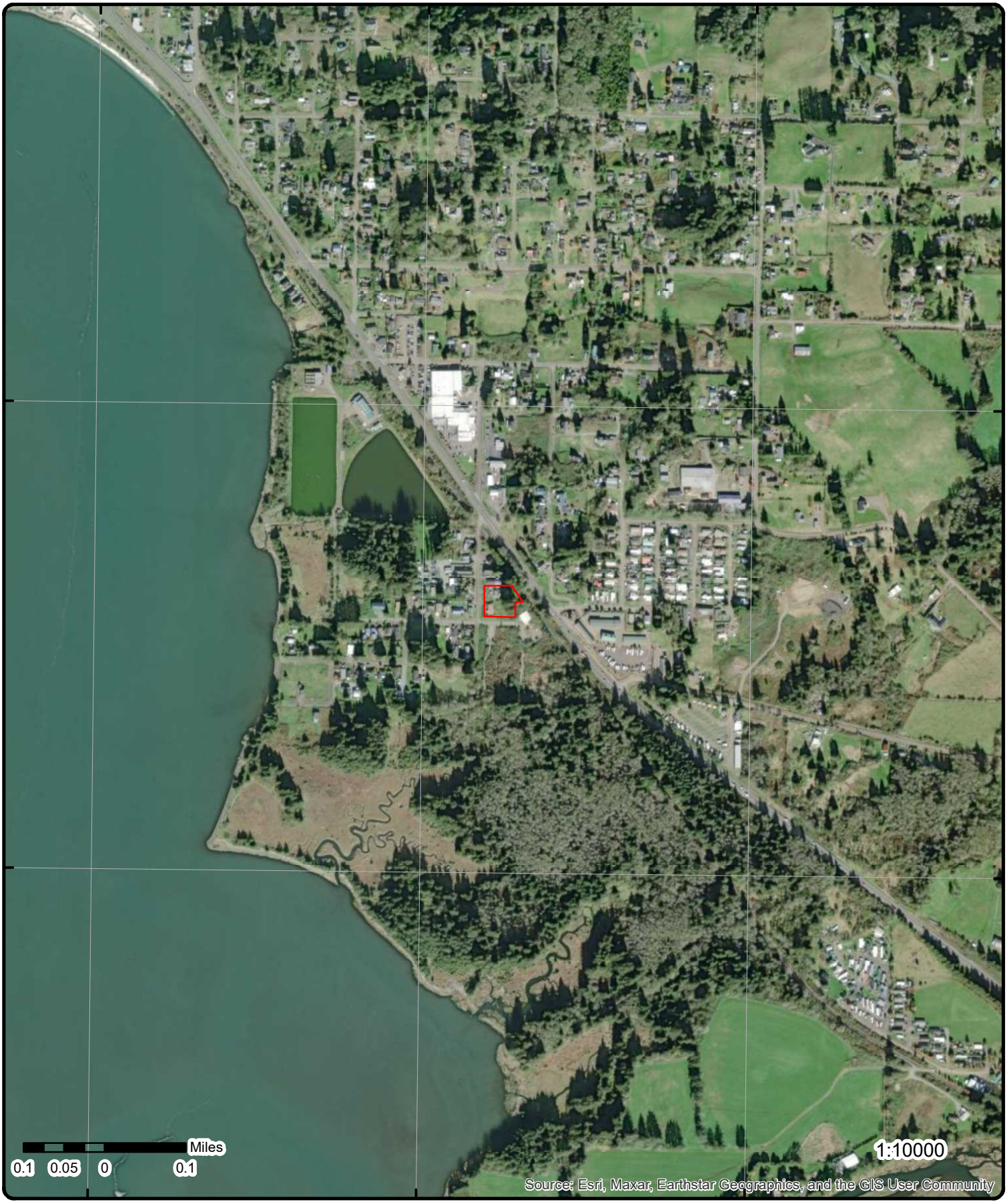


Map: 0.25 Mile Radius

Order Number: 24120500928

Address: 7855 Warren Street, Bay City, OR

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



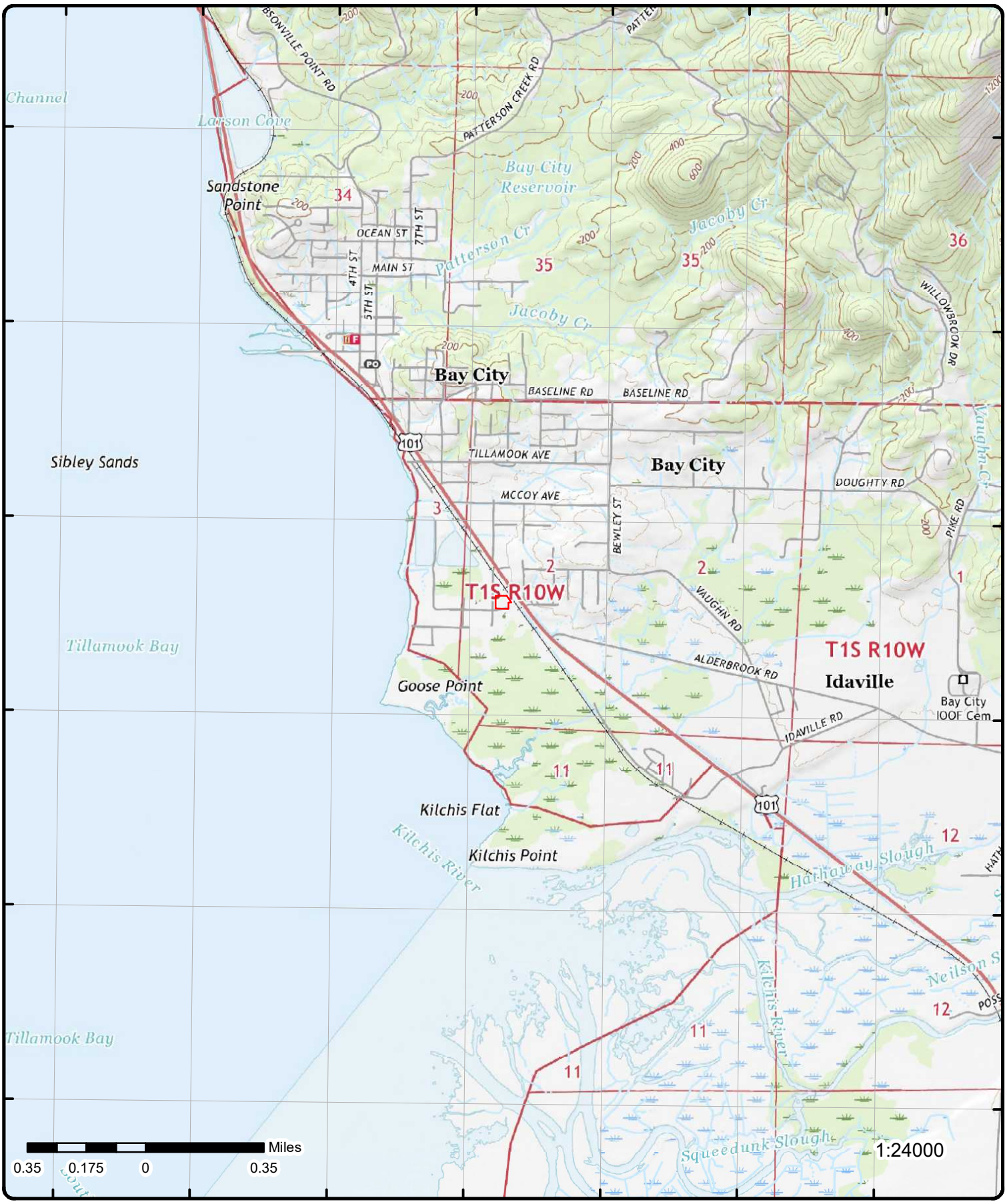
Aerial **Year: 2019**

Address: 7855 Warren Street, Bay City, OR

Source: ESRI World Imagery

Order Number: 24120500928

ERIS



Topographic Map

Year: 2020

Order Number: 24120500928

Address: 7855 Warren Street, OR

Quadrangle(s): Kilchis River OR, Garibaldi OR, Netarts OR, Tillamook OR

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of2	SW	0.01 / 56.46	21.39 / -2	KILCHIS POINT WARREN & SPRUCE STREETS BAY CITY OR 97107	ICIS

EPA Region: 10
Registry ID: 110066881789
Pgm Sys ID: ORR10D255
Pgm Sys Acrnm: NPDES
Permit Type: General Permit Covered Facility
Federal Fac ID:
Tribal Land Code:
County:
Latitude 83: 45.5118
Longitude 83: -123.8806

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of2	SW	0.01 / 56.46	21.39 / -2	KILCHIS POINT WARREN & SPRUCE STREETS BAY CITY OR 97107	FINDS/FRS

Registry ID: 110066881789
FIPS Code:
HUC Code: 17100203
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-NOV-15
Update Date: 01-APR-16
Interest Types: ICIS-NPDES NON-MAJOR, STORM WATER CONSTRUCTION
SIC Codes: 1629
SIC Code Descriptions: HEAVY CONSTRUCTION, NOT ELSEWHERE CLASSIFIED
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 05
Census Block Code: 410579603002037
EPA Region Code: 10
County Name: TILLAMOOK COUNTY
US/Mexico Border Ind:
Latitude: 45.51282
Longitude: -123.88194
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-NEAREST INTERSECTION
Accuracy Value: 200
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066881789
Data Source: Facility Registry Service - Single File
Program Acronyms:

NPDES:ORR10D255

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of4	NNW	0.23 / 1,240.36	16.75 / -6	TILLAMOOK COUNTRY SMOKER LLC 8250 WARREN ST BAY CITY OR 97107	RCRA NON GEN

EPA Handler ID: ORQ000036636

Gen Status Universe:	No Report
Contact Name:	
Contact Address:	
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	
County Name:	TILLAMOOK
EPA Region:	10
Land Type:	Private
Receive Date:	20171231
Location Latitude:	
Location Longitude:	
Recycler Activity?:	NO
Recycler Activity Note:	This facility has no indication of Recycling Activity.

Violation/Evaluation Summary

Note:	NO RECORDS: As of Oct 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No
Recycler Activity:	No
Recycler Activity Without Storage:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20170814
Handler Name:	TILLAMOOK COUNTRY SMOKER LLC
Source Type:	Notification
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator

Waste Code Details

Hazardous Waste Code:	NA
Waste Code Description:	NA

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20170921
Handler Name:	TILLAMOOK COUNTRY SMOKER LLC
Source Type:	Notification
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator

Waste Code Details

Hazardous Waste Code: NA
Waste Code Description: NA

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20171231
Handler Name: TILLAMOOK COUNTRY SMOKER LLC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20171231
Handler Name: TILLAMOOK COUNTRY SMOKER LLC
Source Type: Notification
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator

Waste Code Details

Hazardous Waste Code: NA
Waste Code Description: NA

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: TILLAMOOK COUNTRY SMOKER LLC
Date Became Current: 20170921
Date Ended Current:
Phone: 503-377-8222
Source Type: Notification
Street No:
Street 1: 8250 WARREN ST
Street 2:
City: BAY CITY
State: OR
Country: US
Zip Code: 97107

Owner/Operator Ind: Current Owner
Type: Private
Name: TILLAMOOK COUNTRY SMOKER LLC
Date Became Current: 20170814
Date Ended Current:
Phone: 503-377-8222
Source Type: Notification
Street No:
Street 1: 8250 WARREN ST
Street 2:
City: BAY CITY
State: OR
Country: US
Zip Code: 97107

Owner/Operator Ind: Current Operator
Type: Private
Name: TILLAMOOK COUNTRY SMOKER LLC
Date Became Current: 20170814
Date Ended Current:
Phone: 503-377-8222
Source Type: Notification
Street No:
Street 1: 8250 WARREN ST
Street 2:
City: BAY CITY
State: OR
Country: US
Zip Code: 97107

Owner/Operator Ind: Current Owner
Type: Private
Name: TILLAMOOK COUNTRY SMOKER LLC
Date Became Current: 20171231
Date Ended Current:
Phone: 503-377-8222
Source Type: Notification
Street No:
Street 1: 8250 WARREN ST
Street 2:
City: BAY CITY
State: OR
Country: US
Zip Code: 97107

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	8250 WARREN ST
Name:	TILLAMOOK COUNTRY SMOKER LLC	**Street 2:**	
Date Became Current:	20170921	**City:**	BAY CITY
Date Ended Current:		**State:**	OR
Phone:	503-377-8222	**Country:**	US
Source Type:	Notification	**Zip Code:**	97107

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	8250 WARREN ST
Name:	TILLAMOOK COUNTRY SMOKER LLC	**Street 2:**	
Date Became Current:	20171231	**City:**	BAY CITY
Date Ended Current:		**State:**	OR
Phone:	503-377-2222	**Country:**	US
Source Type:	Notification	**Zip Code:**	97107

Historical Handler Details

Receive Dt:	20171231
Generator Code Description:	Very Small Quantity Generator
Handler Name:	TILLAMOOK COUNTRY SMOKER LLC

Receive Dt:	20170921
Generator Code Description:	Small Quantity Generator
Handler Name:	TILLAMOOK COUNTRY SMOKER LLC

Receive Dt:	20170814
Generator Code Description:	Small Quantity Generator
Handler Name:	TILLAMOOK COUNTRY SMOKER LLC

2	2 of4	NNW	0.23 / 1,240.36	16.75 / -6	TILLAMOOK COUNTRY SMOKER 8250 WARREN AVE BAY CITY OR 97107	AST OSFM

Facility ID:	3455	**Status (Map):**	
Storage Container:	Above ground tank	**Lat (Map):**	
NAICS:	311423	**Long (Map):**	
Latitude:	45.5165	**County (Map):**	
Longitude:	-123.8823	**County:**	TILLAMOOK
Facility Name:	TILLAMOOK COUNTRY SMOKER		
Street Address:	8250 WARREN AVE		
City:	BAY CITY		
Zip Code:	97107		
State:	Oregon		
Common Name (Map):			
Addr (Map):			
City (Map):			
Source Data:	UST - Oregon Community Right to Know Hazardous Substance Export (as of May 06, 2024)		

Chemical Details

Facility Status:	ACTIVE	**Is Gas Undr Press:**	No
Report Class:	Annual	**Is Physical Hnoc:**	No
Report Year:	2023	**IsOrgnicPeroxde:**	No
Max Daily Amnt Cd:	11	**Is Oxidizer:**	No
MaxDailyAmntUnit:	gal	**Is Pyrophoric Gas:**	No
Direct Site Phone:	5033772222	**Is Self Heating:**	No
Is Solid State:	No	**Is Self Reactive:**	No
Is Liquid State:	Yes	**Is Acute Toxicity:**	No
Is Gas State:	No	**IsAspirationHazard:**	No
IsCombustibleDust:	No	**Is Carcinogenicity:**	No
Is Fire Hazard:	No	**Is Health Hnoc:**	No
Is Reactive Hazard:	No	**Mx Dly Amnt Cd Ran:**	500-999
IsImmediateHazard:	No	**IsSpcfcTrgtOrgnTxi:**	No
Is Delayed Hazard:	No	**IsSddnRelseofPrsre:**	No
IsReprductveToxcty:	No	**IsRsprtryorSknSnst:**	No

Is Poisonous Gas:	No	**IsSrsEyeDmgorEye:**	No
Is Latest Report:	Yes	**IsSimpleAsphyxiant:**	No
IsPoisonousMatrial:	No	**IsSknCrrsnOrIrrtat:**	No
IsBiologicalHazard:	No	**IsEmisnofGasWthWtr:**	No
IsRadioactiveState:	No	**IsPyrphrcLqudorSld:**	No
IsCorrosivetoMetal:	Yes	**IsGrmCellMutgncty:**	No
Is Explosive:	No	**Is Trade Secret:**	No
Is Flammable:	No		
Chemical Name:	NITROGEN CRYOGENIC		
Naics 1 Description:	MEAT PROCESSING		
Owner Operator Name:	Ethan		
Report Submission Status:	Completed		

Facility Status:	ACTIVE	**Is Gas Undr Press:**	Yes
Report Class:	Annual	**Is Physical Hnoc:**	No
Report Year:	2023	**IsOrgnicPeroxde:**	No
Max Daily Amnt Cd:	21	**Is Oxidizer:**	No
MaxDailyAmntUnit:	gal	**Is Pyrophoric Gas:**	No
Direct Site Phone:	5033772222	**Is Self Heating:**	No
Is Solid State:	No	**Is Self Reactive:**	No
Is Liquid State:	No	**Is Acute Toxicity:**	No
Is Gas State:	Yes	**IsAspirationHazard:**	No
IsCombustibleDust:	No	**Is Carcinogenicity:**	No
Is Fire Hazard:	No	**Is Health Hnoc:**	No
Is Reactive Hazard:	No	**Mx Dly Amnt Cd Ran:**	5,000-9,999
IsImmediateHazard:	No	**IsSpcfcTrgtOrgnTxi:**	No
Is Delayed Hazard:	No	**IsSddnRelseofPrsre:**	No
IsReprductveToxcty:	No	**IsRsprtryorSknSnst:**	No
Is Poisonous Gas:	No	**IsSrsEyeDmgorEye:**	No
Is Latest Report:	Yes	**IsSimpleAsphyxiant:**	No
IsPoisonousMatrial:	No	**IsSknCrrsnOrIrrtat:**	No
IsBiologicalHazard:	No	**IsEmisnofGasWthWtr:**	No
IsRadioactiveState:	No	**IsPyrphrcLqudorSld:**	No
IsCorrosivetoMetal:	No	**IsGrmCellMutgncty:**	No
Is Explosive:	No	**Is Trade Secret:**	No
Is Flammable:	No		
Chemical Name:	PROPANE		
Naics 1 Description:	MEAT PROCESSING		
Owner Operator Name:	Ethan		
Report Submission Status:	Completed		

Facility Status:	ACTIVE	**Is Gas Undr Press:**	No
Report Class:	Annual	**Is Physical Hnoc:**	No
Report Year:	2023	**IsOrgnicPeroxde:**	No
Max Daily Amnt Cd:	10	**Is Oxidizer:**	No
MaxDailyAmntUnit:	gal	**Is Pyrophoric Gas:**	No
Direct Site Phone:	5033772222	**Is Self Heating:**	No
Is Solid State:	No	**Is Self Reactive:**	No
Is Liquid State:	Yes	**Is Acute Toxicity:**	Yes
Is Gas State:	No	**IsAspirationHazard:**	No
IsCombustibleDust:	No	**Is Carcinogenicity:**	No
Is Fire Hazard:	No	**Is Health Hnoc:**	No
Is Reactive Hazard:	No	**Mx Dly Amnt Cd Ran:**	200-499
IsImmediateHazard:	No	**IsSpcfcTrgtOrgnTxi:**	No
Is Delayed Hazard:	No	**IsSddnRelseofPrsre:**	No
IsReprductveToxcty:	No	**IsRsprtryorSknSnst:**	No
Is Poisonous Gas:	No	**IsSrsEyeDmgorEye:**	Yes
Is Latest Report:	Yes	**IsSimpleAsphyxiant:**	No
IsPoisonousMatrial:	No	**IsSknCrrsnOrIrrtat:**	Yes
IsBiologicalHazard:	No	**IsEmisnofGasWthWtr:**	No
IsRadioactiveState:	No	**IsPyrphrcLqudorSld:**	No
IsCorrosivetoMetal:	Yes	**IsGrmCellMutgncty:**	No
Is Explosive:	No	**Is Trade Secret:**	No
Is Flammable:	No		
Chemical Name:	SULFURIC ACID 25-93%		
Naics 1 Description:	MEAT PROCESSING		
Owner Operator Name:	Ethan		
Report Submission Status:	Completed		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	3 of4	NNW	0.23 / 1,240.36	16.75 / -6	Tillamook Country Smoker, LLC (Bay City Location) 8250 WARREN AVENUE BAY CITY OR 97107	AIR PERMITS

Permit Details

Source No:	29-0013	**Sic Codes:**	2013
Operating Status:	Active	**Naics Codes:**	311612
Assigned Inspector:	Joseph Contreras	**Permit No:**	29-0013-SI-01
Contact Name:		**Last Inspection:**	
Phone No:		**Last Inspector:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	4 of4	NNW	0.23 / 1,240.36	16.75 / -6	TILLAMOOK COUNTRY SMOKER 8250 WARREN AVE BAY CITY OR	AST DWP

Site ID:	003455	**County:**	TILLAMOOK
Status:	Aboveground storage tank(s) on site	**Latitude:**	45.51680589857627
GW Risk:	H	**Longitude:**	-123.88204711527857
SW Risk:	H	**X:**	
Ret Date:	09/29/2008	**Y:**	
DB ID:	SFM-HSIS AST - TILLAMOOK COUNTRY SMOKER		
DB Short Name:	SFM\HSIS-AST		
PCS Code:	C07		
PCS Type:	Chemical/Petroleum Processing/Storage		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of3	NW	0.24 / 1,269.37	15.98 / -7	BAY CITY, CITY OF 8000 ELLIOT STREET BAY CITY OR 97107	LUST

Log No:	29-93-0170	**Work Completed Dt:**	1996-05-15 00:00:00.000
Fac ID:		**County Code:**	29
Cleanup Rcvd Dt:	1993-09-30 00:00:00.000	**Latitude:**	45.5342
Cleanup Start Dt:	1993-09-11 00:00:00.000	**Longitude:**	-123.8847
Site Name:	BAY CITY, CITY OF		
Site Address:	8000 ELLIOT STREET		
Site City:	BAY CITY		
Site Zipcode:	97107		
Region:			
County:	TILLAMOOK		
Site Name (Cleanup):	BAY CITY, CITY OF		
Site Address (Cleanup):	8000 ELLIOT STREET		
Site City (Cleanup):	BAY CITY		
Site Zip (Cleanup):	97107		
Region (Cleanup):	NWR		
Site Name (Web):	BAY CITY, CITY OF		
Address (Web):	8000 ELLIOT ST		
City (Web):	BAY CITY		
Zip (Web):	97107		
County (Web):	Tillamook		
Latitude (Web):	45.5342		
Longtidue (Web):	-123.8847		
Log No Url:			
Data Source:	DEQ Records Request - All LUST Sites Complex Report (as of April 29, 2024); EDMS Cleanup All Sites Search - Leaking Heating Oil Tank and Leaking Underground Storage Tank (Web); DEQ Underground Storage Tank Cleanup List (as of April 01,2024)(Cleanup)		

Leaking Underground Storage Tank Details

LUST ID:	5197	**CAP Submitted:**	
Facility ID:	95	**CAP Approved:**	

Site Type ID:	7	**Current Site Score:**	175
Site Type Desc:	Soil Matrix Cleanup	**Brownfield Code ID:**	NULL
File Status ID:	NULL	**Brownfield Code:**	
File Status Code:	NULL	**Bfld Code Desc:**	
File Status Desc:		**HOT Audit Reject?:**	
Confirm Code Desc:		**Option Lettr Sent?:**	
Log NBRSEQ:	0170	**Migration?:**	No
GEOLOC ID:	17991	**SL Media?:**	Yes
Year:	93	**SL Delineated?:**	
Create Date:	1999-03-18 13:49:10.000	**GW Media?:**	
Release Cause ID:	3	**Delineate GW?:**	
Closed Date:	1996-10-21 00:00:00.000	**GW Delineated?:**	
Last Changed By:	DSMITH	**GW Comp Monit?:**	
Last Changed Date:	1996-10-21 08:59:23.000	**SW Media?:**	
Fnl Inv Req Dt Ent:	NULL	**DW Media?:**	
Letter of Agree Dt:	NULL	**FV Media?:**	
Release Cause Code:	OF	**FP Media?:**	
Release Cause Desc:	OVERFILL	**UN Media?:**	
Rel Source Desc:	Not Reported	**UG Contam?:**	
Release Source ID:	7	**LG Contam?:**	
Release Stop Date:	1993-09-11 00:00:00.000	**MG Contam?:**	Yes
Amount Released:	0	**DS Contam?:**	
Active Release?:		**WO Contam?:**	
Regulated Tank?:	Yes	**LB Contam?:**	
Heating Oil Tank?:	No	**SV Contam?:**	
Non Reg Tank?:		**OP Contam?:**	
Cleanup Necessary?:	Yes	**CH Contam?:**	
Discovery ID:	3	**UN Contam?:**	
Discovery Code:	DC	**MTBE Contam?:**	
Discover Date:	NULL	**HO Contam?:**	
Discovery Desc:	DECOMMISSIONING	**FP Removed?:**	
Confirmation ID:	6	**VP Removed?:**	
Confirmation Code:	NR	**Delineate SL?:**	
CAP Requested:			
Amnt Release Comment:	NULL		

LUST Contact Details

Organization:	NULL
First Name:	NULL
Last Name:	NULL
No Valid Address:	No
Prgoram Transfer Ind:	NULL
Program Transfer Pending:	No
Site Phone:	(503)377-2288

UST Cleanup List Details

Cleanup Received Date:	09/30/1993
Cleanup Start Date:	09/11/1993
Work Completed Date:	05/15/1996

EDMS Cleanup All Sites Details

Ust Facility No:	
Project Type:	LUST
Site Priority:	
Legacy Lust Priority Score:	175
Environmental Justice Indi:	
Size Acres:	
Project Name:	BAY CITY, CITY OF
Address:	8000 ELLIOT ST
City:	BAY CITY
Zip:	97107
County:	Tillamook

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	2 of3	NW	0.24 / 1,269.37	15.98 / -7	BAY CITY, CITY OF 8000 ELLIOT STREET BAY CITY OR	UST DEQ

Facility ID:	95	**Decom Tnk No (Map):**	1
Status (Web):		**Permit Tnk No (Map):**	
All Tank No (Map):	1	**Phone (Map):**	(503)377-2288
Active Tank No (Map):			
Fac Name (Map):	BAY CITY, CITY OF		
Address (Map):	8000 ELLIOT STREET		
City (Map):	BAY CITY		
County (Web):			
Zip (Map):	97107		
Permittee (Map):	PUBLIC WORKS SUPT.		
Name (Map 2):			
Line 1 Address (Map 2):			
City Txt (Map 2):			
Zip Code (Map 2):			
Point Y (Map 2):			
Point X (Map 2):			
Facility Name (Map 1):			
Latitude (Map 1):			
Longitude (Map 1):			
Point X (Map 1):			
Point Y (Map 1):			
Fac Name (Web):			
Address (Web):			
City Name (Web):			
Zip Code (Web):			
Point Y (Web):			
Point X (Web):			
Data Source:	DEQ Underground Storage Tank Facility List (Map)		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	3 of3	NW	0.24 / 1,269.37	15.98 / -7	BAY CITY CITY OF 8000 ELLIOTT ST BAY CITY OR 971073309	DTNK

Delisted Aboveground Storage Tanks

Facility ID:	016581	**Email Address:**	BBETTIS@CI.BAY-CITY.OR.US
FD ID:	0021	**Owner First Name:**	BRIAN
TRI FID:		**Owner Last Name:**	BETTIS
RCRA ID:		**Phone Business:**	5033772288
RMP Facility ID:		**Mail City:**	BAY CITY
Site No:		**Mail State:**	OR
Rec Date:	8/22/2016	**Mail Zip:**	971073309
Date Completed:	8/15/2016	**Emerg Contact F Nm:**	BRIAN
Flag Status:	1	**Emerg Contact L Nm:**	BETTIS
EHS Facility:	No	**Phone Day:**	5033774121
CAA 112R Facility:	No	**Phone Day Ext:**	
PSM Facility:	No	**Fire Dept:**	BAY CITY FIRE DEPT
TRI Facility:	N	**HM Team:**	HM09
Site Plan:	No	**DE Date 1:**	
Chem Count:	2	**DE Date 2:**	
Reported Chemicals:	Yes	**Info Update:**	
Storage Container:		**Placard:**	Yes
Max Occupants:	5	**Placard Other:**	No
EHS Coord F Name:		**Attn of:**	BRIAN BETTIS
EHS Coord L Name:		**Mail Date:**	8/1/2017
EHS Coord Email:		**Short Memo:**	
Dunbrad:		**Sprinkled:**	No
Dept Div:	PUBLIC WORKS	**Occupied:**	Yes
DE Init 1:		**Unoccupied:**	No
Voluntary:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Name:	BAY CITY CITY OF
Street Address:	8000 ELLIOTT ST
Street No:	8000
Street Prefix:	
Street Name:	ELLIOTT
Street Suffix:	
Street Type:	ST
Street Unit:	
City:	BAY CITY
State:	OR
Zip Code:	971073309
County:	TILLAMOOK
Latitude:	45.513024
Longitude:	-123.885504
Owner Oper Email:	BBETTIS@CI.BAY-CITY.OR.US
Mail Address:	PO BOX 3309
Business Type:	MUNICIPALITY
Emerg Proc:	
Completing F Name:	BRIAN
Completing L Name:	BETTIS
Completing Phone:	5033774121
Completing Phone Ext:	
Naics 1:	921190
NAICS Desc 1:	OTHER GENERAL GOV SUPPORT
NAICS 2:	221320
NAICS Desc 2:	SEWAGE TREATMENT FACILITIES
Site ID (HSIS 2019):	
Com Nm (HSIS 2019):	
Address (HSIS 2019):	
City (HSIS 2019):	
County (HSIS 2019):	
Lat (HSIS 2019):	
Long (HSIS 2019):	
Status (HSIS 2019):	
Site ID (HSIS 2009):	
Com Nm (HSIS 2009):	
Address (HSIS 2009):	
City (HSIS 2009):	
County (HSIS 2009):	
Lat (HSIS 2009):	
Long (HSIS 2009):	
Status (HSIS 2009):	
Comments:	
Data Source:	
Original Source:	AST
Record Date:	05-SEP-2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of2	ENE	0.24 / 1,283.45	124.37 / 101	MCRAE & SONS 8140 BEWLEYS ST BAY CITY OR 97107-9740	RCRA VSQG

EPA Handler ID:	ORQ000022061
Gen Status Universe:	VSG
Contact Name:	SAM MCRAE
Contact Address:	PO BOX 3329 , , BAY CITY , OR, 97107-3329 , US
Contact Phone No and Ext:	503-377-2554
Contact Email:	
Contact Country:	US
County Name:	TILLAMOOK
EPA Region:	10
Land Type:	Private
Receive Date:	20041231
Location Latitude:	45.515331
Location Longitude:	-123.874928
Recycler Activity?:	NO
Recycler Activity Note:	This facility has no indication of Recycling Activity.

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No
Recycler Activity: No
Recycler Act W.O. Storage: No

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20020215
Handler Name: MCRAE & SONS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20031231
Handler Name: MCRAE & SONS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20041231
Handler Name: MCRAE & SONS
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: NA
Waste Code Description: NA

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: MCRAE & SONS
Street No:
Street 1: PO BOX 3329
Street 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Became Current:	20020215	**City:**	BAY CITY
Date Ended Current:		**State:**	OR
Phone:	503-377-2554	**Country:**	US
Source Type:	Notification	**Zip Code:**	97107
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 3329
Name:	MCRAE & SONS	**Street 2:**	
Date Became Current:	20030130	**City:**	BAY CITY
Date Ended Current:		**State:**	OR
Phone:	503-377-2554	**Country:**	US
Source Type:	Notification	**Zip Code:**	97107
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 3329
Name:	MCRAE & SONS	**Street 2:**	
Date Became Current:	20020215	**City:**	BAY CITY
Date Ended Current:		**State:**	OR
Phone:	503-377-2554	**Country:**	US
Source Type:	Notification	**Zip Code:**	97107-3329
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 3329
Name:	MCRAE & SONS	**Street 2:**	
Date Became Current:	20031231	**City:**	BAY CITY
Date Ended Current:		**State:**	OR
Phone:	503-377-2554	**Country:**	US
Source Type:	Notification	**Zip Code:**	97107-3329
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 3329
Name:	MCRAE & SONS	**Street 2:**	
Date Became Current:	20031231	**City:**	BAY CITY
Date Ended Current:		**State:**	OR
Phone:	503-377-2554	**Country:**	US
Source Type:	Notification	**Zip Code:**	97107
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 3329
Name:	MCRAE & SONS	**Street 2:**	
Date Became Current:	20030130	**City:**	BAY CITY
Date Ended Current:		**State:**	OR
Phone:	503-377-2554	**Country:**	US
Source Type:	Notification	**Zip Code:**	97107-3329

Historical Handler Details

Receive Dt:	20031231
Generator Code Description:	Small Quantity Generator
Handler Name:	MCRAE & SONS
Receive Dt:	20020215
Generator Code Description:	Large Quantity Generator
Handler Name:	MCRAE & SONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of2	ENE	0.24 / 1,283.45	124.37 / 101	MCRAE & SONS INC 8140 BEWLEY ST BAY CITY OR	AST DWP

Site ID:	002763	**County:**	TILLAMOOK
Status:	Aboveground storage tank(s) on site	**Latitude:**	45.51537724671765
GW Risk:	H	**Longitude:**	-123.87509011282593
SW Risk:	H	**X:**	
Ret Date:	09/29/2008	**Y:**	
DB ID:	SFM-HSIS AST - MCRAE & SONS INC		
DB Short Name:	SFM\HSIS-AST		
PCS Code:	C07		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
PCS Type:		Chemical/Petroleum Processing/Storage				

5	1 of1	NNW	0.28 / 1,479.51	19.85 / -3	BAY CITY DELI MART 8335 HWY 101N BAY CITY OR 97107	LUST

Log No:	29-95-0083	**Work Completed Dt:**	1997-09-22 00:00:00.000
Fac ID:		**County Code:**	29
Cleanup Rcvd Dt:	1995-04-06 00:00:00.000	**Latitude:**	45.5342
Cleanup Start Dt:	1995-04-06 00:00:00.000	**Longitude:**	-123.8847
Site Name:	BAY CITY DELI MART		
Site Address:	8335 HWY 101N		
Site City:	BAY CITY		
Site Zipcode:	97107		
Region:			
County:	TILLAMOOK		
Site Name (Cleanup):	BAY CITY DELI MART		
Site Address (Cleanup):	8335 HWY 101N		
Site City (Cleanup):	BAY CITY		
Site Zip (Cleanup):	97107		
Region (Cleanup):	NWR		
Site Name (Web):	BAY CITY DELI MART		
Address (Web):	8335 HWY 101N		
City (Web):	BAY CITY		
Zip (Web):	97107		
County (Web):	Tillamook		
Latitude (Web):	45.5342		
Longtidue (Web):	-123.8847		
Log No Url:			
Data Source:	DEQ Records Request - All LUST Sites Complex Report (as of April 29, 2024); EDMS Cleanup All Sites Search - Leaking Heating Oil Tank and Leaking Underground Storage Tank (Web); DEQ Underground Storage Tank Cleanup List (as of April 01,2024)(Cleanup)		

Leaking Underground Storage Tank Details

LUST ID:	6574	**CAP Submitted:**	No
Facility ID:	8940	**CAP Approved:**	No
Site Type ID:	7	**Current Site Score:**	580
Site Type Desc:	Soil Matrix Cleanup	**Brownfield Code ID:**	NULL
File Status ID:	4	**Brownfield Code:**	
File Status Code:	NFA	**Bfld Code Desc:**	
File Status Desc:	No Further Action	**HOT Audit Reject?:**	No
Confirm Code Desc:	CONTRACTOR RPT	**Option Lettr Sent?:**	No
Log NBRSEQ:	0083	**Migration?:**	No
GEOLOC ID:	24069	**SL Media?:**	Yes
Year:	95	**SL Delineated?:**	No
Create Date:	1999-03-18 13:49:10.000	**GW Media?:**	No
Release Cause ID:	7	**Delineate GW?:**	No
Closed Date:	1997-09-25 00:00:00.000	**GW Delineated?:**	No
Last Changed By:	KDANA	**GW Comp Monit?:**	No
Last Changed Date:	2018-11-20 09:33:13.097	**SW Media?:**	No
Fnl Inv Req Dt Ent:	NULL	**DW Media?:**	No
Letter of Agree Dt:	NULL	**FV Media?:**	No
Release Cause Code:	UN	**FP Media?:**	No
Release Cause Desc:	UNKNOWN	**UN Media?:**	No
Rel Source Desc:	Not Reported	**UG Contam?:**	No
Release Source ID:	7	**LG Contam?:**	No
Release Stop Date:	1995-04-06 00:00:00.000	**MG Contam?:**	Yes
Amount Released:	0	**DS Contam?:**	Yes
Active Release?:	No	**WO Contam?:**	Yes
Regulated Tank?:	Yes	**LB Contam?:**	No
Heating Oil Tank?:	No	**SV Contam?:**	No
Non Reg Tank?:	No	**OP Contam?:**	No
Cleanup Necessary?:	No	**CH Contam?:**	No
Discovery ID:	4	**UN Contam?:**	No
Discovery Code:	SA	**MTBE Contam?:**	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Discover Date:	NULL	**HO Contam?:**	No
Discovery Desc:	SITE ASSESSMENT	**FP Removed?:**	No
Confirmation ID:	7	**VP Removed?:**	No
Confirmation Code:	CN	**Delineate SL?:**	No
CAP Requested:	No		
Amnt Release Comment:			

LUST Contact Details

Organization:	NULL
First Name:	NULL
Last Name:	NULL
No Valid Address:	No
Prgoram Transfer Ind:	0
Program Transfer Pending:	No
Site Phone:	(503) 377-2002

UST Cleanup List Details

Cleanup Received Date:	04/06/1995
Cleanup Start Date:	04/06/1995
Work Completed Date:	09/22/1997

EDMS Cleanup All Sites Details

Ust Facility No:	
Project Type:	LUST
Site Priority:	
Legacy Lust Priority Score:	580
Environmental Justice Indi:	
Size Acres:	
Project Name:	BAY CITY DELI MART
Address:	8335 HWY 101N
City:	BAY CITY
Zip:	97107
County:	Tillamook

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of1	NNW	0.28 / 1,479.60	19.85 / -3	COUNTRY SMOKER OUTLET 8335 HIGHWAY 101 N BAY CITY OR 97107	LUST

Log No:	29-18-0076	**Work Completed Dt:**	2019-01-31 00:00:00.000
Fac ID:		**County Code:**	29
Cleanup Rcvd Dt:	2018-01-25 00:00:00.000	**Latitude:**	45.5172
Cleanup Start Dt:	2018-01-23 00:00:00.000	**Longitude:**	-123.8839
Site Name:	COUNTRY SMOKER OUTLET		
Site Address:	8335 HIGHWAY 101 N		
Site City:	BAY CITY		
Site Zipcode:	97107		
Region:			
County:	TILLAMOOK		
Site Name (Cleanup):	COUNTRY SMOKER OUTLET		
Site Address (Cleanup):	8335 HIGHWAY 101 N		
Site City (Cleanup):	BAY CITY		
Site Zip (Cleanup):	97107		
Region (Cleanup):	NWR		
Site Name (Web):	COUNTRY SMOKER OUTLET		
Address (Web):	8335 HWY 101 N		
City (Web):	BAY CITY		
Zip (Web):	97107		
County (Web):	Tillamook		
Latitude (Web):	45.5172		
Longtidue (Web):	-123.8839		
Log No Url:			
Data Source:	DEQ Records Request - All LUST Sites Complex Report (as of April 29, 2024); EDMS Cleanup All Sites Search -		

Leaking Heating Oil Tank and Leaking Underground Storage Tank (Web); DEQ Underground Storage Tank Cleanup List (as of April 01,2024)(Cleanup)

Leaking Underground Storage Tank Details

LUST ID:	49424	***CAP Submitted:***	No
Facility ID:	8940	***CAP Approved:***	No
Site Type ID:	4	***Current Site Score:***	680
Site Type Desc:	Groundwater	***Brownfield Code ID:***	NULL
File Status ID:	4	***Brownfield Code:***	
File Status Code:	NFA	***Bfld Code Desc:***	
File Status Desc:	No Further Action	***HOT Audit Reject?:***	No
Confirm Code Desc:		***Option Lettr Sent?:***	No
Log NBRSEQ:	0076	***Migration?:***	No
GEOLOC ID:	151458	***SL Media?:***	Yes
Year:	18	***SL Delineated?:***	No
Create Date:	2018-01-25 14:09:15.773	***GW Media?:***	Yes
Release Cause ID:	9	***Delineate GW?:***	No
Closed Date:	2019-02-13 00:00:00.000	***GW Delineated?:***	No
Last Changed By:	KDANA	***GW Comp Monit?:***	No
Last Changed Date:	2019-02-26 07:25:36.023	***SW Media?:***	No
Fnl Inv Req Dt Ent:	2019-01-31 16:45:32	***DW Media?:***	No
Letter of Agree Dt:	2018-03-20 00:00:00	***FV Media?:***	No
Release Cause Code:	NULL	***FP Media?:***	No
Release Cause Desc:		***UN Media?:***	No
Rel Source Desc:	Tank	***UG Contam?:***	Yes
Release Source ID:	1	***LG Contam?:***	No
Release Stop Date:	NULL	***MG Contam?:***	No
Amount Released:	NULL	***DS Contam?:***	No
Active Release?:	No	***WO Contam?:***	No
Regulated Tank?:	Yes	***LB Contam?:***	No
Heating Oil Tank?:	No	***SV Contam?:***	No
Non Reg Tank?:	No	***OP Contam?:***	No
Cleanup Necessary?:	No	***CH Contam?:***	No
Discovery ID:	3	***UN Contam?:***	No
Discovery Code:	NULL	***MTBE Contam?:***	No
Discover Date:	2018-01-24 00:00:00.000	***HO Contam?:***	No
Discovery Desc:		***FP Removed?:***	No
Confirmation ID:	7	***VP Removed?:***	No
Confirmation Code:	NULL	***Delineate SL?:***	No
CAP Requested:	No		
Amnt Release Comment:	NULL		

LUST Contact Details

Organization:	
First Name:	Laurie
Last Name:	Gienger
No Valid Address:	No
Prgoram Transfer Ind:	0
Program Transfer Pending:	Yes
Site Phone:	

UST Cleanup List Details

Cleanup Received Date:	01/25/2018
Cleanup Start Date:	01/23/2018
Work Completed Date:	01/31/2019

EDMS Cleanup All Sites Details

Ust Facility No:	
Project Type:	LUST
Site Priority:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Legacy Lust Priority Score:	680
Environmental Justice Indi:	
Size Acres:	
Project Name:	COUNTRY SMOKER OUTLET
Address:	8335 HWY 101 N
City:	BAY CITY
Zip:	97107
County:	Tillamook

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of1	NNW	0.57 / 3,031.20	141.42 / 118	Tatlock Property 8955 9th St Bay City OR 97107	ECSI

Site ID:	4305	**FACA Identifier:**	86390
Status Code:		**Range Coord:**	10.00
CERCLIS No:		**Range Zone:**	W
NPL?:	False	**Section Coord:**	35
Invest Status:	No Further Action	**Qtr Sec Coord:**	
Furth Act Prty:	0	**Town S Coord:**	1.00
Brownfield Desc:	0	**Township Zone:**	N
Orphan Flag:	False	**Lat Decimal:**	45.5215
Legis Fund Code:	832	**Lat Degrees:**	45
Study Area Flag:	False	**Lat Minutes:**	31
Score Value:		**Lat Seconds:**	17.40
Tax Lots:		**Long Decimal:**	-123.8852
Size:		**Long Degrees:**	-123
Region:	Northwest Region	**Long Minutes:**	53
Geolocation ID:		**Long Seconds:**	6.70
County Name:	TILLAMOOK		
Status:			
Source:	Environmental Cleanup Information Database (ECSI) Data Export – Sites		

Admin Action

Admin Action ID:	729909	**Sub Program Cd:**	VCP
Action Code ID:	9443	**Rank Val:**	
Action Category:	RA	**Primary Action Flg:**	True
Action Description:	NO FURTHER STATE ACTION REQUIRED	**Cleanup Rpt Flg:**	False
Active Flg:	True	**Comment:**	
Req Priority Code Flg:	False	**Last Updated by Init:**	GWISTAR
Agency Code:	DEQ	**Last Updated on Dt:**	08/18/2005
Agency Description:	Department of Environmental Quality	**Created by Init:**	CKAUFMA
Further Act Prty Cd:		**Created on Dt:**	02/17/2005
Further Act Prty Desc:		**EMP ID:**	2338
Start Dt:	02/17/2005	**Region Code:**	w
Completion Dt:	02/17/2005	**Admin Region Des:**	Northwest Region

Admin Action ID:	729522	**Sub Program Cd:**	
Action Code ID:	9424	**Rank Val:**	
Action Category:	ADMIN	**Primary Action Flg:**	False
Action Description:	Site added to database	**Cleanup Rpt Flg:**	False
Active Flg:	True	**Comment:**	
Req Priority Code Flg:	False	**Last Updated by Init:**	JWAGGY
Agency Code:	DEQ	**Last Updated on Dt:**	12/17/2004
Agency Description:	Department of Environmental Quality	**Created by Init:**	JWAGGY
Further Act Prty Cd:		**Created on Dt:**	12/17/2004
Further Act Prty Desc:		**EMP ID:**	313
Start Dt:	12/17/2004	**Region Code:**	
Completion Dt:	12/17/2004	**Admin Region Des:**	

Admin Action ID:	729523	**Sub Program Cd:**	VCP
Action Code ID:	9456	**Rank Val:**	
Action Category:	RA	**Primary Action Flg:**	False
Action Description:	BASIC PRELIMINARY ASSESSEMENT	**Cleanup Rpt Flg:**	False
Active Flg:	True	**Comment:**	
Req Priority Code Flg:	False	**Last Updated by Init:**	GWISTAR
Agency Code:	DEQ	**Last Updated on Dt:**	08/18/2005

Agency Description:	Department of Environmental Quality	***Created by Init:***	JWAGGY
Further Act Prty Cd:		***Created on Dt:***	12/17/2004
Further Act Prty Desc:		***EMP ID:***	2338
Start Dt:	12/17/2004	***Region Code:***	w
Completion Dt:	02/17/2005	***Admin Region Des:***	Northwest Region

Hazard Release

Hazard Release ID:	386390	***Quantity:***	250 gallons
Substance ID:	121990	***Last Updated Dt:***	12/20/2004
Subst Name:	HEATING - FUEL OIL	***Updated by Init:***	CKAUFMA
Subst Desc:	Petroleum Related Releases for OSPIRG Report		
Dates Comment:			

Narrative

Narrative ID:	5746033	***Created on Dt:***	12/17/2004
Narrative Code:	MANR	***Last Updated by Init:***	JWAGGY
Narrative Desc:	Manner of Release	***Last Updated on Dt:***	12/17/2004
Created by Init:	JWAGGY		
Comment:			

A new aboveground heating oil tank was installed under the house in an unfinished basement on 9/20/04. The tank was improperly hooked up and released 250 gallons of heating oil to the underlying soils.

Narrative ID:	5746034	***Created on Dt:***	12/17/2004
Narrative Code:	HAZW	***Last Updated by Init:***	JWAGGY
Narrative Desc:	Hazardous Substance/Waste Types	***Last Updated on Dt:***	12/17/2004
Created by Init:	JWAGGY		
Comment:			

Heating oil.

Narrative ID:	5746035	***Created on Dt:***	12/17/2004
Narrative Code:	PATH	***Last Updated by Init:***	GWISTAR
Narrative Desc:	Pathways & Other Hazards	***Last Updated on Dt:***	08/18/2005
Created by Init:	JWAGGY		
Comment:			

DEQ investigated potential petroleum impacts to soils and shallow groundwater, as well as potential indoor vapor inhalation.

Narrative ID:	5746037	***Created on Dt:***	12/17/2004
Narrative Code:	REMA	***Last Updated by Init:***	JWAGGY
Narrative Desc:	Remedial Action	***Last Updated on Dt:***	12/17/2004
Created by Init:	JWAGGY		
Comment:			

(11/17/04 CK/VCP) Received initial site investigation report from consultant on November 19, 2004.

Narrative ID:	5746038	***Created on Dt:***	12/17/2004
Narrative Code:	DSRC	***Last Updated by Init:***	JWAGGY
Narrative Desc:	Data Sources	***Last Updated on Dt:***	12/17/2004
Created by Init:	JWAGGY		
Comment:			

Site Investigation Report dated November 18, 2004.

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID

No unplottable records were found that may be relevant for the search criteria.

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Sep 25, 2024

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Sep 25, 2024

Deleted NPL: DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Sep 25, 2024

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

Government Publication Date: Jul 24, 2024

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Jul 24, 2024

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Oct 21, 2024

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Oct 21, 2024

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Oct 21, 2024

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Oct 21, 2024

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Oct 21, 2024

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Oct 21, 2024

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Oct 21, 2024

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Sep 25, 2024

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Sep 25, 2024

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Sep 25, 2024

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Oct 15, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jan 9, 2024

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Jun 6, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 6, 2024

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jul 24, 2024

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Oct 24, 2024

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

OSFM Underground Storage Tanks: UST OSFM

This list of registered underground storage tanks is made available by the Oregon Office of State Fire Marshal (OSFM).

Government Publication Date: Aug 9, 2024

Confirmed Release List/Inventory: CRL

List of sites on the Oregon Department of Environmental Quality (DEQ)'s Confirmed Release Inventory, a subset of the Environmental Cleanup Site Information (ECSI) database. ECSI is the Cleanup Section's master database of sites with known or potential contamination. This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

Government Publication Date: Jun 17, 2024

Environmental Cleanup Site Information Database: ECSI

The Department of Environmental Quality's (DEQ) Environmental Cleanup Program protects human health and the environment by identifying, investigating, and remediating sites contaminated with hazardous substances. This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

Government Publication Date: Jun 17, 2024

Delisted Release List and Cleanup Sites: DELISTED SHWS

This database contains a list of closed sites contaminated with hazardous substances that were removed from the Oregon Department of Environmental Quality (DEQ)'s, Environmental Cleanup Site Information (ECSI) database.

Government Publication Date: Jun 17, 2024

Solid Waste Facilities and Landfills: SWF/LF

List of permitted solid waste and landfill facilities provided by the Oregon Department of Environmental Quality (DEQ).

Government Publication Date: Aug 26, 2024

Historic Closed and Terminated Disposal Sites: HIST SWF

A list of historic, closed solid waste and landfill facilities made available by the Department of Environmental Quality (DEQ). Public Land Survey System (PLSS) locations provided by the source are subject to accuracy limitations inherent to the PLSS system.

Government Publication Date: Jun 1, 1986

Underground Storage Tank Cleanup List: LUST

This inventory of leaking underground storage tanks (LUSTs) and leaking heating oil tanks is sourced from the Oregon Department of Environmental Quality (DEQ). Includes records made available via public records request, LUST sites from the DEQ Underground Storage Tank Cleanup List, and cleanup projects from the DEQ Environmental Data Management System (EDMS) Cleanup All Sites Report.

Government Publication Date: May 1, 2024

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites that were removed from the Oregon Department of Environmental Quality (DEQ).

Government Publication Date: May 1, 2024

DEQ Underground Storage Tanks: UST DEQ

List of underground storage tanks made available by the Oregon Department of Environmental Quality (DEQ). The DEQ provides records relating to Underground Storage Tank Facility, UST Facilities with Operating Certificates, and Facilities with Temporary Closure Certificates and Facilities not in Operational Compliance.

Government Publication Date: Aug 9, 2024

Drinking Water Protection Program UST: UST DWP

A list of underground storage tank (UST) locations from the Drinking Water Protection Interactive Map Viewer made available by the Oregon Department of Environmental Quality (DEQ), in partnership with the Oregon Health Authority's Drinking Water Protection Program.

Government Publication Date: Nov 8, 2019

Hazardous Substance Information System: HSIS

This database contains detailed information regarding the storage of hazardous substances in facilities located throughout the State of Oregon, collected through the Hazardous Substance Information Survey. It is made available by the Oregon Office of State Fire Marshal's (OSFM), Community Right to Know (CR2K) Services Unit.

Government Publication Date: Sep 5, 2017

OSFM Aboveground Storage Tanks: AST OSFM

This list of registered aboveground storage tanks is made available by the Oregon Office of State Fire Marshal (OSFM).

Government Publication Date: Aug 9, 2024

Drinking Water Protection Program AST: AST DWP

A list of aboveground storage tank (AST) locations from the Drinking Water Protection Interactive Map Viewer made available by the Oregon Department of Environmental Quality (DEQ), in partnership with the Oregon Health Authority's Drinking Water Protection Program.

Government Publication Date: Sep 1, 2008

Delisted Storage Tanks: DTNK

List of sites that once appeared on - and have since been removed from - either list of UST or AST storage tank sites, or the list of Community Right to Know Hazardous Substances storage (HSIS) made available by the Oregon Department of Environmental Quality (DEQ) or the Office of the State Fire Marshall.

Government Publication Date: Nov 19, 2024

Heating Oil Tank Clean Decommissioning Sites: TANK HOT DECOM

List of Heating Oil Tank (HOT) Clean Decommissioning Sites maintained by the Oregon Department of Environmental Quality (DEQ) HOT Program. Sites with former heating oil tanks that have a registered certificate of voluntary decommissioning (started March 2000) are filed with DEQ. Tanks on this list were closed following DEQ rules and a leak was not found.

Government Publication Date: Nov 19, 2024

Engineering Controls Reported in the ECSI Database: ENG

The Department of Environmental Quality (DEQ) makes a list available of sites that have engineering controls in place. Engineering controls are physical measures designed to prevent or minimize exposure to hazardous substances remaining on-site. Engineering controls may include such measures as fencing, capping, horizontal or vertical barriers, hydraulic controls, or provision of clean water supplies.

Government Publication Date: Jun 17, 2024

Institutional Controls Reported in the ECSI Database: INST

The Department of Environmental Quality (DEQ) makes a list available of sites that have institutional controls in place. Institutional controls are legal or administrative tools to prevent unacceptable exposures to contamination left in place at the completion of removal or remedial actions. Common examples are restricting groundwater use or preventing residential uses of a property.

Government Publication Date: Jun 17, 2024

Voluntary Cleanup Program Sites: VCP

The Oregon Department of Environmental Quality's (DEQ) Voluntary Cleanup Program provides oversight to property owners and others wishing to investigate and clean up hazardous substance sites in a voluntary, cooperative manner. This Program offers two options: Independent Cleanup Pathway (ICP) to assist parties wishing to clean up contaminated low- and medium-priority sites without ongoing DEQ oversight; Voluntary Cleanup Pathway (VCP), the original voluntary cleanup path, where DEQ provides oversight throughout the investigation and cleanup for voluntary high-priority sites, as well as lower priority sites, with contamination in any environmental medium. VCP and ICP sites are considered Environmental Cleanup Sites. This listing includes Environmental Cleanup Site Information Database sites with VCP or ICP actions and where the investigation is with No Further Action (NFA), Contamination Confirmed or Institutional Controls in Place (LIS), or Contamination Suspected but Not Confirmed (SUS).

Government Publication Date: Apr 16, 2024

Environmental Cleanups on Former or Current Brownfields: BROWNFIELDS

List of Brownfields sites made available by the Department of Environmental Quality (DEQ). A brownfield is a vacant or underused property where actual or perceived environmental contamination complicates its expansion or redevelopment.

Government Publication Date: Jun 17, 2024

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 10, which includes Oregon, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 10, which includes Oregon, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Aug 5, 2024

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Aug 1, 2024

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Sep 18, 2024

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2024. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Jul 22, 2024

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: Jun 27, 2024

National Response Center PFAS Spills: PFAS ERNS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Sep 23, 2024

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Sep 30, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data: PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Jul 22, 2024

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Sep 22, 2024

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Sep 23, 2024

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jul 24, 2024

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Apr 13, 2024

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2024

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2024

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: May 6, 2024

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Feb 5, 2024

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 20, 2024

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 29, 2024

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jun 26, 2024

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: May 23, 2024

Power Plants: POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Government Publication Date: Apr 15, 2024

State

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

A list of sites from the Environmental Cleanup Site Information Database (ECSI) where Per- and Polyfluoroalkyl substances (PFAS) containing materials may be of concern. This list is made available by the Oregon Department of Environmental Quality.

Government Publication Date: Apr 16, 2024

Permitted Air Dischargers: AIR PERMITS

The Oregon Department of Environmental Quality Air Quality Division maintains this list of facilities with air discharge permits. Active and temporarily closed permits are included in this list.

Government Publication Date: Sep 16, 2024

Historical Hazardous Materials Incident Reports: HIST HAZMAT

Since January 1, 1985, the Oregon Office of State Fire Marshal (OSFM) has collected Hazardous Material Incident Reports from emergency responders. This list also includes Clandestine Drug Sites.

Government Publication Date: Dec 31, 2009

Hazardous Materials Incident Reports: HAZMAT

A list of Hazardous Material Incidents reported to the Oregon Office of State Fire Marshall (OSFM) from emergency responders. Covers the time period from 1986 through the current listed date.

Government Publication Date: Jul 23, 2024

Spills: SPILLS

List of spills and/or releases reported to the Oregon Department of Environmental Quality's (DEQ) Emergency Response Program. The program is designed to carry out legislative direction to work with other agencies and industry to prevent and respond to spills of oil and hazardous materials. Many spill site addresses are not field verified and may only be rough approximations.

Government Publication Date: Sep 30, 2024

Dry Cleaning Facilities: DRYCLEANERS

This list of dry cleaner facilities is provided by the Oregon Department of Environmental Quality (DEQ). The listing includes applicable facilities sourced from the DEQ's FOIA file and Oregon Drinking Water Protection Program map layer. Oregon Legislature established the DEQ Dry Cleaner Environmental Program in 1995, and the program started through the passage of House Bill 3216 to create Oregon's dry cleaner statute. With House Bill 3273 signed in July of 2023, this law will end all aspects of the DEQ Dry Cleaner Program in January 2024 and further prohibit the use of perc and n-propyl bromide as dry cleaning solvents in January 2028.

Government Publication Date: Jul 22, 2024

Delisted Drycleaner Facilities: DELISTED DRYCLEANERS

List of facilities which once appeared on - and have since been removed from - the list of registered dry cleaning facilities made available by the Oregon Department of Environmental Quality.

Government Publication Date: Jul 22, 2024

Tier 2 Report: TIER 2

A list of Tier 2 facilities in Oregon made available via the Oregon Community Right to Know Hazardous Substance Manager (CHS) overseen by the Oregon State Police, Office of State Fire Marshal.

Government Publication Date: Apr 18, 2024

Uninhabitable Drug Lab Properties: CDL

List of properties which have been declared by a law enforcement agency to be unfit for use due to meth lab and/or storage activities. The properties are considered uninhabitable until cleaned up by a state certified decontamination contractor and a certificate of fitness is issued by the Oregon Health Authority, Public Health Division. This list is made available by the Department of Consumer & Business Services.

Government Publication Date: Apr 18, 2024

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX D

Water Well, Physical Settings and Oil & Gas Reports

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		24120500928p
Date Completed:		December 6, 2024
Project Number:		12052401Estuary
Project Property:		120524BayCityWarren 7855 Warren Street Bay City OR 97107
Coordinates:		
	Latitude:	45.51318251
	Longitude:	-123.88132717
	UTM Northing:	5040338.77069 Meters
	UTM Easting:	431160.841645 Meters
	UTM Zone:	UTM Zone 10T
	Elevation:	23.12 ft
	Slope Direction:	ESE

The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information

Current USGS Topo (2020)

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Tillamook,OR; Netarts,OR; Garibaldi,OR; Kilchis River OR

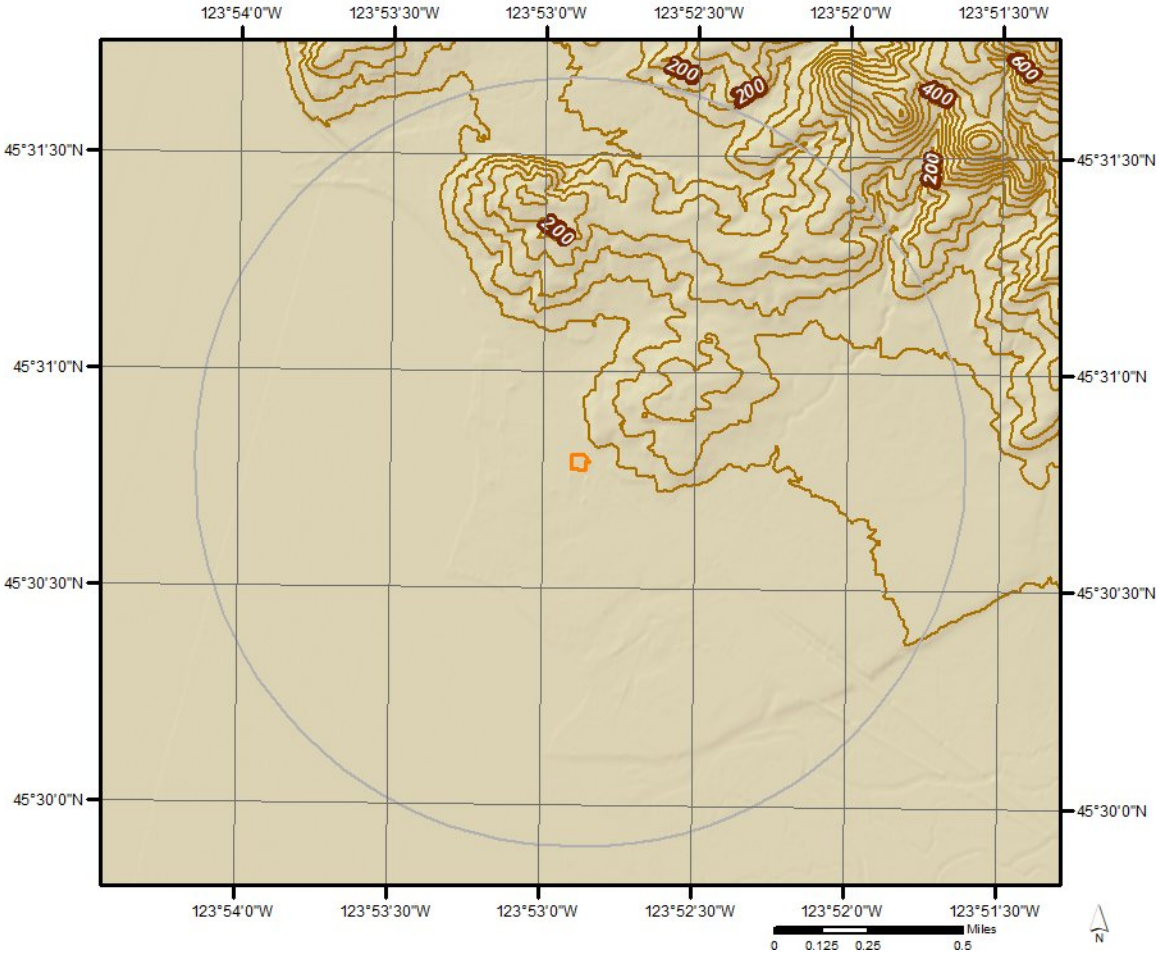
Source: USGS 7.5 Minute Topographic Map

Topographic Information

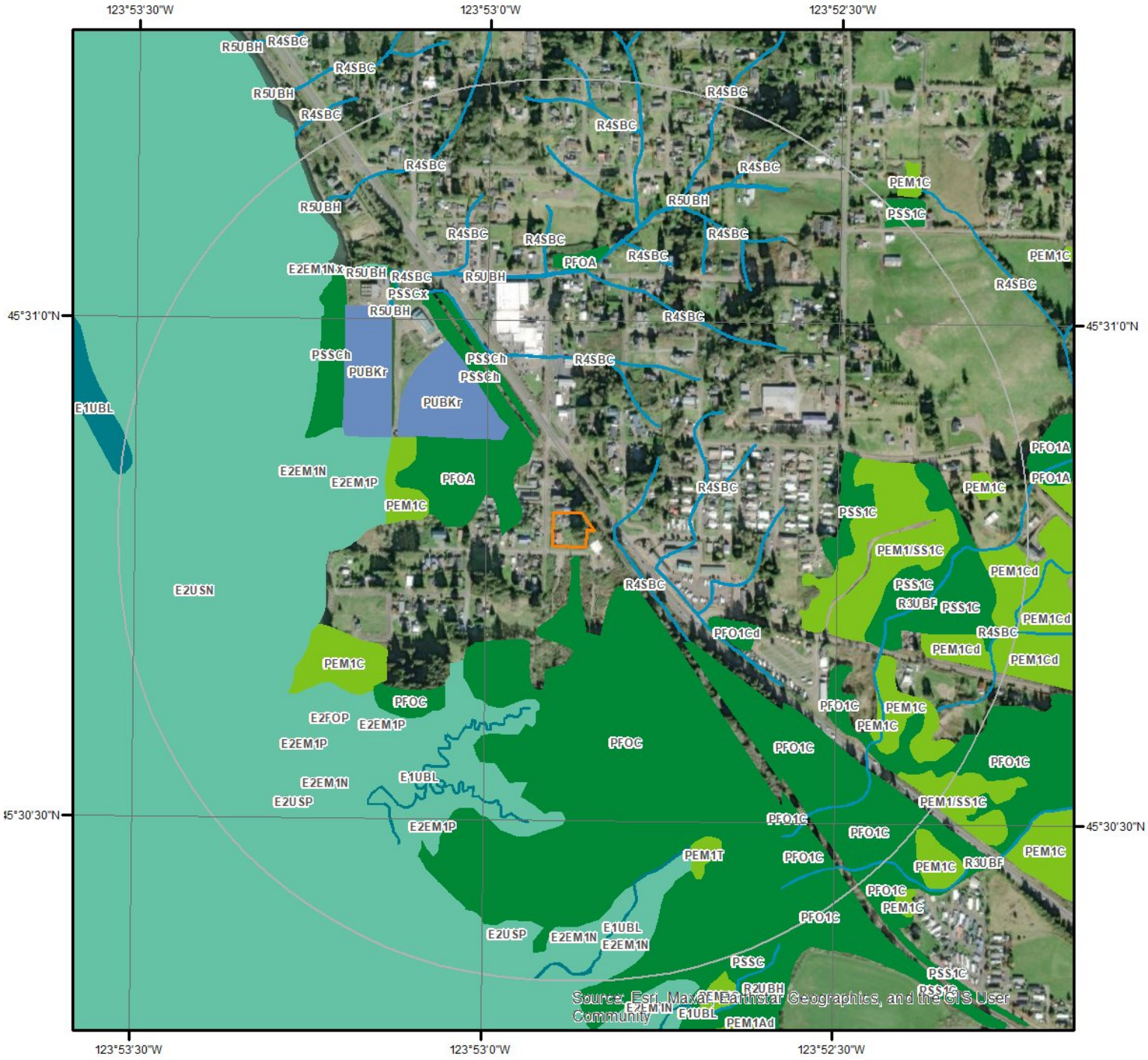
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	23.12 ft
Slope Direction:	ESE



Hydrologic Information



Wetland

Miles
0 0.075 0.15 0.3

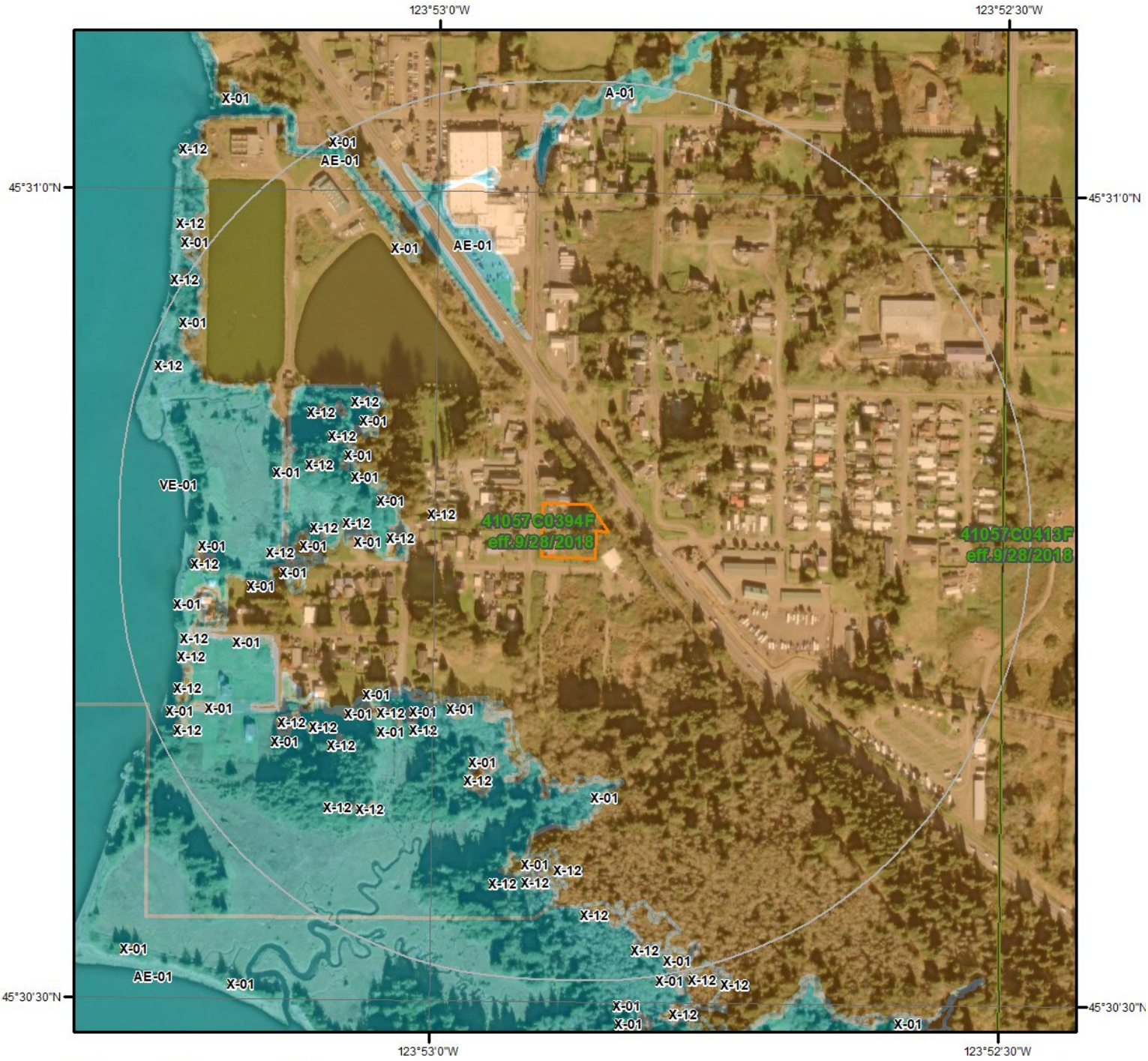
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlayed. An absent FIRM panel represents no data available.

Miles
0 0.075 0.15

N

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s): Tillamook,OR; Netarts,OR; Garibaldi,OR; Kilchis

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	41057C0394F(effective:2018-09-28) 41057C0413F(effective:2018-09-28)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone VE-01

Zone:	VE
Zone subtype:	

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Hydrologic Information

FEMA Flood Zone Definitions

Special Flood Hazard Areas – High Risk

Special Flood Hazard Areas represent the area subject to inundation by 1-percent-annual chance flood. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory flood insurance purchase requirements apply in these zones.

ZONE	DESCRIPTION
A	Areas subject to inundation by the 1-percent-annual-chance flood event. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown.
AE, A1-A30	Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)
AH	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.
AO	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually sheet flow on sloping terrain) where average depths are 1–3 feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.
AR	Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection.
A99	Areas subject to inundation by the 1-percent-annual-chance flood event, but which will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may be used only when the flood protection system has reached specified statutory progress toward completion. No BFEs or flood depths are shown.

Coastal High Hazard Areas – High Risk

Coastal High Hazard Areas (CHHA) represent the area subject to inundation by 1-percent-annual chance flood, extending from offshore to the inland limit of a primary front al dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Structures located within the CHHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory purchase requirements apply in these zones.

ZONE	DESCRIPTION
V	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards associated with storm-induced waves. Because detailed coastal analyses have not been performed, no BFEs or flood depths are shown.
VE, V1-V30	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action. BFEs derived from detailed hydraulic coastal analyses are shown within these zones. (Zone VE is used on new and revised maps in place of Zones V1–V30.)

Hydrologic Information

Moderate and Minimal Risk Areas

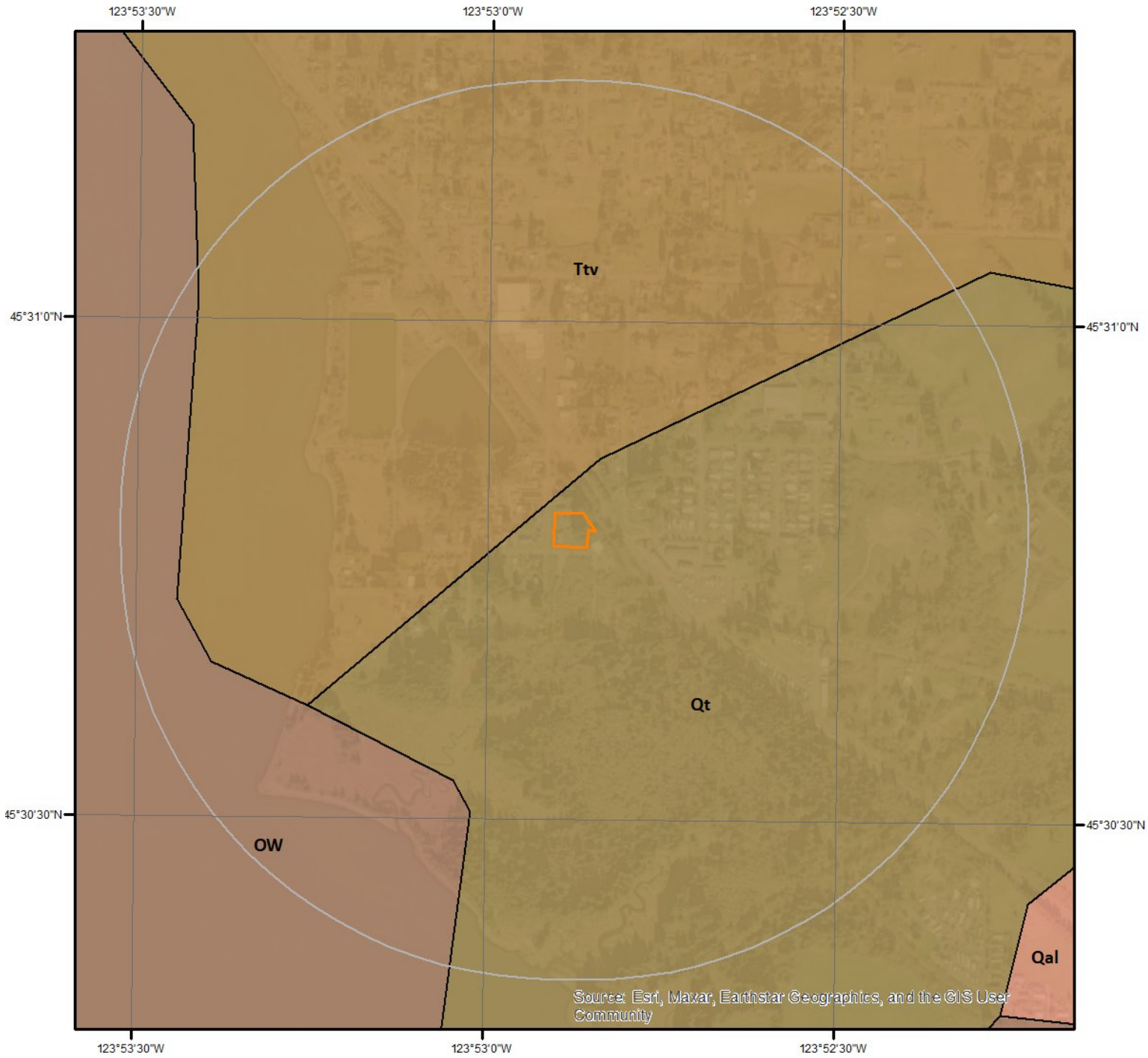
Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local stormwater drainage systems are not normally considered in a community's flood insurance study. The failure of a local drainage system can create areas of high flood risk within these zones. Flood insurance is available in participating communities, but is not required by regulation in these zones. Nearly 25-percent of all flood claims filed are for structures located within these zones.

ZONE	DESCRIPTION
B, X (shaded)	Moderate risk areas within the 0.2-percent-annual-chance floodplain, areas of 1-percent-annual-chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by a levee. No BFEs or base flood depths are shown within these zones. (Zone X (shaded) is used on new and revised maps in place of Zone B.)
C, X (unshaded)	Minimal risk areas outside the 1-percent and .2-percent-annual-chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)

Undetermined Risk Areas

ZONE	DESCRIPTION
D	Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

N

0 0.125 0.25 Miles

ERIS

Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Qt

Unit Name:	Terrace, pediment, and lag gravels
Unit Age:	Pleistocene to Holocene
Primary Rock Type:	Gravel
Secondary Rock Type:	Boulders
Unit Description:	Unconsolidated deposits of gravel, cobbles, and boulders intermixed and locally interlayered with clay, silt, and sand. Mostly on terraces and pediments above present flood plains. Includes older alluvium of Smith and others (1982) in the Klamath Mountains and both high- and low-level terraces along Oregon coast. Includes dissected alluvial fan deposits northeast of Lebanon, and Linn and Leffler Gravels of Allison and Felts (1956)

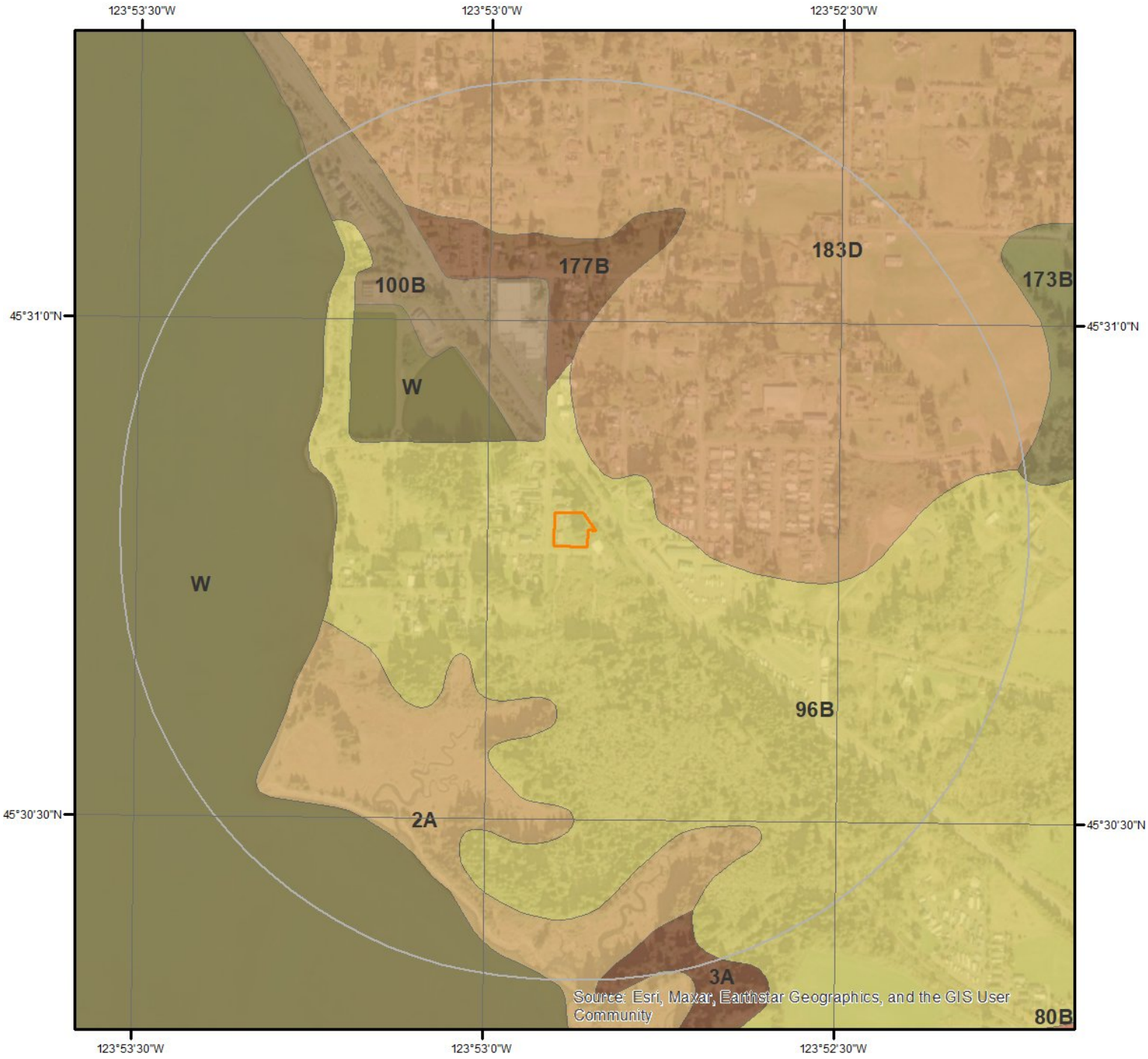
Geologic Unit Ttv

Unit Name:	Tillamook Volcanics
Unit Age:	Middle Eocene to Late Eocene
Primary Rock Type:	Basalt
Secondary Rock Type:	
Unit Description:	Subaerial basaltic flows and breccia and submarine basaltic breccia, pillow lavas, lapilli and augite-rich tuff with interbeds of basaltic sandstone, siltstone, and conglomerate. Includes some basaltic andesite and, near the top of the sequence, some dacite. Potassium-argon ages on middle and lower parts of sequence range from about 43 to 46 Ma (Magill and others, 1981): one potassium-argon age from dacite near top of sequence is about 40 Ma (see Wells and others, 1983)

Geologic Unit OW

Unit Name:	water
Unit Age:	
Primary Rock Type:	
Secondary Rock Type:	
Unit Description:	No description available.

Soil Information



SSURGO Soils

N

0 0.125 0.25 Miles

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 100B (0.49%)

Map Unit Name:	Urban land-Udorthents complex, 0 to 7 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	null
Hydrologic Group - Dominant:	null
Major components are printed below	
Udorthents(25%)	
horizon A(0cm to 5cm)	Gravelly sandy loam
horizon C(5cm to 152cm)	Very gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 100B - Urban land-Udorthents complex, 0 to 7 percent slopes

Component: Urban land (65%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Udorthents (25%)
The Udorthents component makes up 25 percent of the map unit. Slopes are 0 to 7 percent. This component is on stream terraces, flood plains, coastal river valleys. The parent material consists of alluvium derived from igneous and sedimentary rock and/or colluvium derived from igneous rock and human transported materials. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 6 percent. Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria.

Component: Aquepts (10%)
Generated brief soil descriptions are created for major soil components. The Aquepts soil is a minor component.

Map Unit 173B (0.64%)

Map Unit Name:	Tillamook-Ginger medial silt loams, 0 to 7 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	43cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Tillamook(45%)	
horizon Ap(0cm to 20cm)	Medial silt loam
horizon A1(20cm to 51cm)	Medial silt loam
horizon A2(51cm to 64cm)	Medial silt loam
horizon 2Bw1(64cm to 89cm)	Silty clay loam
horizon 2Bw2(89cm to 132cm)	Silty clay loam
horizon 2BC(132cm to 152cm)	Silty clay loam
Ginger(40%)	
horizon Ap(0cm to 20cm)	Medial silt loam

horizon A(20cm to 43cm)	Medial silt loam
horizon 2BA(43cm to 51cm)	Silty clay loam
horizon 2Bg1(51cm to 71cm)	Silty clay
horizon 2Bg2(71cm to 97cm)	Silty clay
horizon 2Bg3(97cm to 132cm)	Silty clay
horizon 3C(132cm to 152cm)	Extremely gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 173B - Tillamook-Ginger medial silt loams, 0 to 7 percent slopes

Component: Tillamook (45%)
The Tillamook component makes up 45 percent of the map unit. Slopes are 0 to 7 percent. This component is on stream terraces, coastal river valleys. The parent material consists of alluvium derived from igneous and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 25 inches during January, February, March, December. Organic matter content in the surface horizon is about 17 percent. Nonirrigated land capability classification is 2e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Ginger (40%)
The Ginger component makes up 40 percent of the map unit. Slopes are 0 to 7 percent. This component is on stream terraces, coastal river valleys. The parent material consists of alluvium derived from igneous and sedimentary rock. Depth to a root restrictive layer, strongly contrasting textural stratification, is 40 to 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 17 inches during January, February, December. Organic matter content in the surface horizon is about 15 percent. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Hebo (5%)
Generated brief soil descriptions are created for major soil components. The Hebo soil is a minor component.

Map Unit 177B (0.15%)

Map Unit Name:	Dystrudepts-Aquepts complex, 0 to 7 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Dystrudepts(65%)	
horizon Oi(0cm to 3cm)	Slightly decomposed plant material
horizon A1(3cm to 15cm)	Silty clay loam
horizon A2(15cm to 56cm)	Silty clay loam
horizon Bw1(56cm to 79cm)	Silty clay loam
horizon Bw2(79cm to 99cm)	Clay
horizon Bw3(99cm to 124cm)	Clay
horizon BC(124cm to 155cm)	Silty clay loam
Aquepts(30%)	
horizon A(0cm to 15cm)	Silt loam
horizon Bw(15cm to 46cm)	Silty clay loam
horizon C1(46cm to 79cm)	Silty clay
horizon C2(79cm to 130cm)	Silty clay loam
horizon C3(130cm to 152cm)	Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 177B - Dystrudepts-Aquepts complex, 0 to 7 percent slopes

Component: Dystrudepts (65%)
The Dystrudepts component makes up 65 percent of the map unit. Slopes are 0 to 7 percent. This component is on stream terraces, coastal river valleys. The parent material consists of alluvium derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 22 inches (depth from the mineral surface is 21 inches) during January, February, March, April, December. Organic matter content in the surface horizon is about 75 percent. Below this thin organic horizon the organic matter content is about 8 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Aquepts (30%)
The Aquepts component makes up 30 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, coastal river valleys. The parent material consists of alluvium derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 8 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

Component: Hebo (3%)
Generated brief soil descriptions are created for major soil components. The Hebo soil is a minor component.

Map Unit 183D (5.73%)

Map Unit Name:	Winema-Fendall medial silt loams, 5 to 30 percent slopes
Bedrock Depth - Min:	86cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Winema(55%)	
horizon Ap(0cm to 25cm)	Medial silt loam
horizon A(25cm to 53cm)	Medial silt loam
horizon 2BA(53cm to 71cm)	Silty clay loam
horizon 2Bw(71cm to 107cm)	Silty clay
horizon 2C(107cm to 152cm)	Very paragravelly silty clay
Fendall(30%)	
horizon Ap(0cm to 20cm)	Medial silt loam
horizon A(20cm to 33cm)	Silt loam
horizon Bw1(33cm to 43cm)	Silty clay loam
horizon Bw2(43cm to 69cm)	Paragravelly silty clay loam
horizon BC(69cm to 86cm)	Very paragravelly silty clay loam
horizon 2Cr(86cm to 112cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 183D - Winema-Fendall medial silt loams, 5 to 30 percent slopes

Component: Winema (55%)
The Winema component makes up 55 percent of the map unit. Slopes are 5 to 30 percent. This component is on Coast Range mountains, hillslopes. The parent material consists of colluvium and residuum derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This

soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 12 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Fendall (30%)
The Fendall component makes up 30 percent of the map unit. Slopes are 5 to 30 percent. This component is on Coast Range mountains, hillslopes. The parent material consists of colluvium and residuum derived from sedimentary rock. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 12 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map Unit 2A (0.63%)

Map Unit Name:	Fluvaquents-Histosols complex, 0 to 1 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Fluvaquents(60%)	
horizon A1(0cm to 10cm)	Mucky silt loam
horizon A2(10cm to 18cm)	Mucky silt loam
horizon Cg1(18cm to 56cm)	Silt loam
horizon Cg2(56cm to 64cm)	Sandy loam
horizon Cg3(64cm to 114cm)	Loam
horizon Cg4(114cm to 152cm)	Very gravelly sandy loam
Histosols(35%)	
horizon Oe(0cm to 18cm)	Mucky peat
horizon Oa1(18cm to 33cm)	Muck
horizon Oa2(33cm to 51cm)	Muck
horizon 2C1(51cm to 81cm)	Mucky silt loam
horizon 2C2(81cm to 152cm)	Mucky silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 2A - Fluvaquents-Histosols complex, 0 to 1 percent slopes

Component: Fluvaquents (60%)
The Fluvaquents component makes up 60 percent of the map unit. Slopes are 0 to 1 percent. This component is on Pacific coastal lowlands, tidal marshes, coastal freshwater swamps. The parent material consists of estuarine deposits. Depth to a root restrictive layer, strongly contrasting textural stratification, is 30 to 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is very frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 8 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria. The soil has a very slightly saline horizon within 30 inches of the soil surface.

Component: Histosols (35%)
The Histosols component makes up 35 percent of the map unit. Slopes are 0 to 1 percent. This component is on Pacific coastal lowlands, tidal marshes, coastal freshwater swamps. The parent material consists of organic materials overlying alluvium or estuarine deposits; stratified organic materials and alluvium; organic materials throughout. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This soil is very frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 90 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria. The soil has a very slightly saline horizon within 30 inches of the

soil surface.

Component: Tidal flats (2%)
Generated brief soil descriptions are created for major soil components. The Tidal flats soil is a minor component.

Component: Humaquepts (1%)
Generated brief soil descriptions are created for major soil components. The Humaquepts, isomesic soil is a minor component.

Map Unit 3A (0.17%)

Map Unit Name:	Coquille silt loam, 0 to 1 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Coquille(85%)

horizon A(0cm to 15cm)	Silt loam
horizon C1(15cm to 36cm)	Silt loam
horizon C2(36cm to 86cm)	Silty clay loam
horizon 2Cg1(86cm to 124cm)	Silty clay loam
horizon 2Cg2(124cm to 152cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 3A - Coquille silt loam, 0 to 1 percent slopes

Component: Coquille (85%)
The Coquille component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on tidal marshes, Pacific coastal lowlands, estuaries. The parent material consists of estuarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is very frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, December. Organic matter content in the surface horizon is about 7 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Histosols (5%)
Generated brief soil descriptions are created for major soil components. The Histosols soil is a minor component.

Component: Brenner (5%)
Generated brief soil descriptions are created for major soil components. The Brenner soil is a minor component.

Map Unit 96B (4.35%)

Map Unit Name:	Ginger-Hebo complex, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Ginger(40%)

horizon Ap(0cm to 20cm)	Medial silt loam
horizon A(20cm to 43cm)	Medial silt loam

horizon 2BA(43cm to 51cm)	Silty clay loam
horizon 2Bg1(51cm to 71cm)	Silty clay
horizon 2Bg2(71cm to 97cm)	Silty clay
horizon 2Bg3(97cm to 132cm)	Silty clay
horizon 3C(132cm to 152cm)	Extremely gravelly sandy loam
Hebo(35%)	
horizon Ap(0cm to 10cm)	Silty clay loam
horizon BA(10cm to 25cm)	Silty clay
horizon Bg1(25cm to 46cm)	Clay
horizon Bg2(46cm to 66cm)	Clay
horizon BCg(66cm to 89cm)	Silty clay
horizon 2Cg(89cm to 152cm)	Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 96B - Ginger-Hebo complex, 0 to 5 percent slopes

Component: Ginger (40%)
The Ginger component makes up 40 percent of the map unit. Slopes are 0 to 5 percent. This component is on stream terraces, coastal river valleys. The parent material consists of alluvium derived from igneous and sedimentary rock. Depth to a root restrictive layer, strongly contrasting textural stratification, is 40 to 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 17 inches during January, February, December. Organic matter content in the surface horizon is about 15 percent. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Hebo (35%)
The Hebo component makes up 35 percent of the map unit. Slopes are 0 to 3 percent. This component is on depressions, coastal river valleys. The parent material consists of mixed alluvium and/or fluviomarine deposits derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 0 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 9 percent. Nonirrigated land capability classification is 4w. This soil meets hydric criteria.

Map Unit W (87.84%)

Map Unit Name: Water

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - Water

Component: Water (100%)
Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Wells and Additional Sources

Wells & Additional Sources

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
20	OR4190921	4268.99	SE

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
20	OR4190921	4268.99	SE

USGS National Water Information System

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Systems

Map Key	Public Wtr Sup ID	Distance (ft)	Direction
20	90921	4268.99	SE
22	00884	4528.88	ESE
22	00890	4528.88	ESE
22	00080	4528.88	ESE
22	00885	4528.88	ESE
22	00881	4528.88	ESE
22	00895	4528.88	ESE

Well Log Report

Map Key	Well Log	Distance (ft)	Direction
1	TILL_53385	1338.50	NE
2	TILL_53383	1344.37	NE
3	TILL_53384	1354.43	NE
4	TILL_52826	1373.41	NNW
5	TILL_52828	1398.51	NNW
6	TILL_52827	1411.99	NNW
7	TILL_52840	1455.41	NNW
8	TILL_52830	1465.89	NNW
9	TILL_52837	1473.88	NNW
10	TILL_52831	1488.29	NNW
11	TILL_52829	1491.41	NNW

Wells and Additional Sources Summary

12	TILL_52838	1520.17	NNW
13	TILL_52839	1527.06	NNW
14	TILL_52649	2176.39	NNW
14	TILL_52653	2176.39	NNW
14	TILL_52657	2176.39	NNW
14	TILL_52655	2176.39	NNW
14	TILL_52654	2176.39	NNW
14	TILL_52652	2176.39	NNW
14	TILL_52658	2176.39	NNW
14	TILL_52650	2176.39	NNW
14	TILL_52656	2176.39	NNW
14	TILL_52651	2176.39	NNW
15	TILL_52624	3008.99	SE
16	TILL_51393	3031.21	NNW
16	TILL_51395	3031.21	NNW
16	TILL_51394	3031.21	NNW
16	TILL_51396	3031.21	NNW
16	TILL_51392	3031.21	NNW
16	TILL_51391	3031.21	NNW
17	TILL_10	3653.33	SE
18	TILL_52166	3721.66	ESE
19	TILL_52612	4243.02	SE
20	TILL_50887	4268.99	SE
20	TILL_50728	4268.99	SE
21	TILL_50642	4349.84	SE
23	TILL_52864	4792.70	NNW
24	TILL_53129	4841.70	NNW
25	TILL_52863	4948.00	N
26	TILL_53128	4977.46	NNW
27	TILL_52862	4996.47	NNW
28	TILL_52865	5071.84	N
29	TILL_52861	5079.05	NNW
30	TILL_52860	5112.54	NNW
31	TILL_52520	5140.64	NNW
31	TILL_52519	5140.64	NNW
32	TILL_53130	5185.06	NNW

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SE	0.81	4,268.99	27.89	PWSV

PWS ID:	OR4190921
PWS Type Code:	CWS
PWS Type Description:	Community water system
Primary Source Code:	GW
Primary Source Desc:	Ground water
PWS Activity Code:	A
PWS Activity Description:	Active
PWS Deactivation Date:	
Zip Code:	97141
Phone No:	503-801-4547
Phone Ext No:	
Admin Name:	BAY AIRE MOBILE HOME PARK
Alt Phone No:	
Email Addr:	sandy.mcpherson44@gmail.com
Fax No:	
Cds ID:	
Population Served Count:	82
Epa Region Desc:	Region 10
Epa Region:	10
First Reported Date:	01/28/1981
Gw or Sw:	Groundwater
Gw Sw Code:	GW
Is Grant Eligible Ind:	Yes
Outstanding Performer:	
Is School or Daycare Ind:	No
Is Source Water Protection:	No
Is Wholesaler Ind:	No
Lt2 Schedule Cat:	
Lt2 Schedule Cat Code:	
Last Reported Date:	08/30/2023
Org Name:	BAY AIRE MOBILE HOME PARK
Outstanding Perform Begin Date:	
Owner Type:	Private
Pop Cat 11:	<=100
Pop Cat 2:	<10,000
Pop Cat 3:	<=3300
Pop Cat 4:	<10K
Pop Cat 5:	<=500
Primacy Agency:	Oregon
Season Begin Date:	

Season End Date:	
Service Connections Count:	57
Submission Status Code:	Y
Submissionyearquarter:	2023Q3
Primacy Type:	State
Dbpr Schedule Category:	
Submission Status:	Reported and accepted
Reduced Monitoring Begin Date:	
Reduced Monitoring End Date:	
Reduced Rtcr Monitoring:	
Seasonal Startup System:	
Source Protection Begin Date:	
City Served:	
County Served:	Tillamook

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SE	0.81	4,268.99	27.89	SDWIS

PWS ID:	OR4190921
PWS Type Code:	CWS
PSW Type:	Community water system
Primary Source Code:	GW
Primary Source:	Ground water
Pws Activity Code:	A
Activity:	Active
PWS Deactivation Dt:	
Phone No:	503-801-4547
Phone Ext No:	
Admin Name:	BAY AIRE MOBILE HOME PARK
Alt Phone No:	
Email Addr:	sandy.mcpherson44@gmail.com
Fax No:	
Cds ID:	
Population Served Count:	82
Epa Region Desc:	Region 10
Epa Region:	10
First Reported Date:	01/28/1981
Gw or Sw:	Groundwater
Is Grant Eligible Ind:	Yes
Outstanding Performer:	
Is School or Daycare Ind:	No
Is Wholesaler Ind:	No
Lt2 Schedule Cat:	
Last Reported Date:	08/30/2023

Wells and Additional Sources Detail Report

Org Name:	BAY AIRE MOBILE HOME PARK
Outstanding Perform Begin Date:	
Owner Type:	Private
Pop Cat 11:	<=100
Pop Cat 2:	<10,000
Pop Cat 3:	<=3300
Pop Cat 4:	<10K
Pop Cat 5:	<=500
Primacy Agency:	Oregon
Primacy Agency Code:	OR
Season Begin Date:	
Season End Date:	
Service Connections Count:	57
Submission Yr Qtr:	2023Q3
Primacy Type:	State
Dbpr Schedule Category:	
Submission Status:	Reported and accepted
Reduced Monitoring Begin:	
Reduced Monitoring End Date:	
Reduced Rtcr Monitoring:	
Seasonal Startup System:	
Source Protection Begin Date:	
City Served:	
County Served:	Tillamook

Public Water Systems

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SE	0.81	4,268.99	27.89	PWS

Public Wtr Sup ID:	90921	County Served:	Tillamook
Regulating Agency:	TILLAMOOK COUNTY	Population Served:	82
Status:	Active	Connections:	57
Licensed By:		Contact Name:	RICKY MCPHERSON
TIN WSys ISN:	3671	Phone:	503-801-4547
Primary Source:	Groundwater	SW GWUDI Sources:	
Annual Operating Period:	1/1 to 12/31		
System Type:	Community Water System		
Source:	Active Water System Inventory		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	ESE	0.86	4,528.88	40.02	PWS

Public Wtr Sup ID:	00884	County Served:	Tillamook

Regulating Agency:	TILLAMOOK COUNTY	Population Served:	900
Status:	Active	Connections:	268
Licensed By:		Contact Name:	CLYDE WAGNER
TIN WSys ISN:	4077	Phone:	503-812-9751
Primary Source:	Purchases water from another water system that uses surface water or surface water and ground water mixed.	SW GWUDI Sources:	1 Permanent
Annual Operating Period:	1/1 to 12/31		
System Type:	Community Water System		
Source:	Active Water System Inventory		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	ESE	0.86	4,528.88	40.02	PWS

Public Wtr Sup ID:	00890	County Served:	Tillamook
Regulating Agency:	TILLAMOOK COUNTY	Population Served:	998
Status:	Active	Connections:	274
Licensed By:		Contact Name:	CLYDE WAGNER
TIN WSys ISN:	4078	Phone:	503-812-9751
Primary Source:	Purchases water from another water system that uses surface water or surface water and ground water mixed.	SW GWUDI Sources:	1 Permanent
Annual Operating Period:	1/1 to 12/31		
System Type:	Community Water System		
Source:	Active Water System Inventory		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	ESE	0.86	4,528.88	40.02	PWS

Public Wtr Sup ID:	00080	County Served:	Tillamook
Regulating Agency:	TILLAMOOK COUNTY	Population Served:	500
Status:	Active	Connections:	160
Licensed By:		Contact Name:	CLYDE WAGNER
TIN WSys ISN:	3240	Phone:	503-812-9751
Primary Source:	Groundwater	SW GWUDI Sources:	
Annual Operating Period:	1/1 to 12/31		
System Type:	Community Water System		
Source:	Active Water System Inventory		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	ESE	0.86	4,528.88	40.02	PWS

Public Wtr Sup ID:	00885	County Served:	Tillamook
Regulating Agency:	TILLAMOOK COUNTY	Population Served:	60
Status:	Active	Connections:	23

Licensed By:		Contact Name:	CLYDE WAGNER
TIN WSys ISN:	4019	Phone:	503-812-9751
Primary Source:	Purchases water from another water system that uses ground water only.	SW GWUDI Sources:	
Annual Operating Period:	1/1 to 12/31		
System Type:	Community Water System		
Source:	Active Water System Inventory		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	ESE	0.86	4,528.88	40.02	PWS

Public Wtr Sup ID:	00881	County Served:	Tillamook
Regulating Agency:	TILLAMOOK COUNTY	Population Served:	150
Status:	Active	Connections:	61
Licensed By:		Contact Name:	CLYDE WAGNER
TIN WSys ISN:	4018	Phone:	503-812-9751
Primary Source:	Purchases water from another water system that uses ground water only.	SW GWUDI Sources:	
Annual Operating Period:	1/1 to 12/31		
System Type:	Community Water System		
Source:	Active Water System Inventory		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	ESE	0.86	4,528.88	40.02	PWS

Public Wtr Sup ID:	00895	County Served:	Tillamook
Regulating Agency:	TILLAMOOK COUNTY	Population Served:	299
Status:	Active	Connections:	105
Licensed By:		Contact Name:	CLYDE WAGNER
TIN WSys ISN:	4080	Phone:	503-812-9751
Primary Source:	Purchases water from another water system that uses surface water or surface water and ground water mixed.	SW GWUDI Sources:	1 Permanent
Annual Operating Period:	1/1 to 12/31		
System Type:	Community Water System		
Source:	Active Water System Inventory		

Well Log Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NE	0.25	1,338.50	121.85	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_53385	Tax Lot:	500
Well Log No:	53385	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00

Wells and Additional Sources Detail Report

Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	2
Completed Date:	5/23/2024	Qtr160:	NW
Received Date:	6/11/2024	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	8140 BEWLEY ST
Start Date:	5/23/2024	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51574500
Use Community:		Longitude:	-123.87696000
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8140 BEWLEY STREET, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NE	0.25	1,344.37	134.70	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_53383	Tax Lot:	500
Well Log No:	53383	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	30.00	Range Char:	W
Depth Drilled:	30.00	Sctn:	2
Completed Date:	5/23/2024	Qtr160:	NW

Wells and Additional Sources Detail Report

Received Date:	6/11/2024	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	8140 BEWLEY ST
Start Date:	5/23/2024	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51572000
Use Community:		Longitude:	-123.87690300
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8140 BEWLEY STREET, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NE	0.26	1,354.43	128.20	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_53384	Tax Lot:	500
Well Log No:	53384	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	25.00	Range Char:	W
Depth Drilled:	25.00	Sctn:	2
Completed Date:	5/23/2024	Qtr160:	NW
Received Date:	6/11/2024	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	8140 BEWLEY ST
Start Date:	5/23/2024	City:	BAY CITY
Startcard No:		Zip:	97107

Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51576300
Use Community:		Longitude:	-123.87690100
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8140 BEWLEY STREET, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNW	0.26	1,373.41	17.57	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52826	Tax Lot:	3400
Well Log No:	52826	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	18.90	Range:	10.00
Completed Depth:	20.00	Range Char:	W
Depth Drilled:	20.00	Sctn:	3
Completed Date:	9/20/2018	Qtr160:	NE
Received Date:	10/8/2018	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	9/20/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51690700
Use Community:		Longitude:	-123.88389200
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	

Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	HELEN	Work Alteration:	
Name Last:	GIENGER TRUSTEE	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8335 N HWY 101, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NNW	0.26	1,398.51	18.87	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52828	Tax Lot:	3400
Well Log No:	52828	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	10.00	Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	9/20/2018	Qtr160:	NE
Received Date:	10/8/2018	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	9/20/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51703000
Use Community:		Longitude:	-123.88372600
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	

Wells and Additional Sources Detail Report

Name First:	HELEN	Work Alteration:	
Name Last:	GIENGER TRUSTEE	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8335 N HWY 101, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NNW	0.27	1,411.99	18.89	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52827	Tax Lot:	3400
Well Log No:	52827	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	8.00	Range:	10.00
Completed Depth:	10.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	3
Completed Date:	9/20/2018	Qtr160:	NE
Received Date:	10/8/2018	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	9/20/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51699600
Use Community:		Longitude:	-123.88397800
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	HELEN	Work Alteration:	
Name Last:	GIENGER TRUSTEE	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			

Wells and Additional Sources Detail Report

Well Type Desc:	Geo-Technical hole (test hole)
Bonded Constructor:	
Bonded License No:	
Bonded Name Co:	
Bonded Name First:	
Bonded Name Last:	
Street of Well:	8335 N HWY 101, BAY CITY, OR 97107
Record Source:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NNW	0.28	1,455.41	19.98	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52840	Tax Lot:	3400
Well Log No:	52840	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	10.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	2
Completed Date:	11/13/2018	Qtr160:	NW
Received Date:	11/21/2018	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	11/13/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51718300
Use Community:		Longitude:	-123.88377900
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			

Wells and Additional Sources Detail Report

Bonded Name Last:
Street of Well: 8335 N. HWY 101, BAY CITY, OR 97107
Record Source:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	NNW	0.28	1,465.89	19.98	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52830	Tax Lot:	3400
Well Log No:	52830	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	9.00	Range:	10.00
Completed Depth:	10.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	3
Completed Date:	9/20/2018	Qtr160:	NE
Received Date:	10/8/2018	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	9/20/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51721000
Use Community:		Longitude:	-123.88379300
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	HELEN	Work Alteration:	
Name Last:	GIENGER TRUSTEE	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8335 N HWY 101, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NNW	0.28	1,473.88	20.43	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52837	Tax Lot:	3400
Well Log No:	52837	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	8.22	Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	2
Completed Date:	11/13/2018	Qtr160:	NW
Received Date:	11/21/2018	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	11/13/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51725300
Use Community:		Longitude:	-123.88371900
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8335 N. HWY 101, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NNW	0.28	1,488.29	19.85	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52831	Tax Lot:	3400
Well Log No:	52831	Twp/Rng/Sec/QQ:	

Wells and Additional Sources Detail Report

Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	6.50	Range:	10.00
Completed Depth:	10.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	3
Completed Date:	9/20/2018	Qtr160:	NE
Received Date:	10/8/2018	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	9/20/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51725900
Use Community:		Longitude:	-123.88385500
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	HELEN	Work Alteration:	
Name Last:	GIENGER TRUSTEE	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8335 N HWY 101, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NNW	0.28	1,491.41	19.75	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52829	Tax Lot:	3400
Well Log No:	52829	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	7.00	Range:	10.00
Completed Depth:	10.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	3

Wells and Additional Sources Detail Report

Completed Date:	9/20/2018	Qtr160:	NE
Received Date:	10/8/2018	Qtr40:	SE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	9/20/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51721900
Use Community:		Longitude:	-123.88402600
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	HELEN	Work Alteration:	
Name Last:	GIENGER TRUSTEE	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8335 N HWY 101, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NNW	0.29	1,520.17	20.31	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52838	Tax Lot:	3400
Well Log No:	52838	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	4.30	Range:	10.00
Completed Depth:	10.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	2
Completed Date:	11/13/2018	Qtr160:	NW
Received Date:	11/21/2018	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	11/13/2018	City:	BAY CITY

Wells and Additional Sources Detail Report

Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51735600
Use Community:		Longitude:	-123.88384300
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8335 N. HWY 101, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NNW	0.29	1,527.06	20.12	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52839	Tax Lot:	3400
Well Log No:	52839	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	7.50	Range:	10.00
Completed Depth:	10.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	2
Completed Date:	11/13/2018	Qtr160:	NW
Received Date:	11/21/2018	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 3038
Start Date:	11/13/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.51734300
Use Community:		Longitude:	-123.88396400
Use Livestock:		Lat/Long:	

Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8335 N. HWY 101, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52649	Tax Lot:	03500
Well Log No:	52649	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	5.30	Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:	5.30	Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433
Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X

Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8520 BAYFRONT LANE, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52653	Tax Lot:	03500
Well Log No:	52653	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	6.70	Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:	6.70	Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433
Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		

Special Standards:
Well Type Desc: Geo-Technical hole (test hole)
Bonded Constructor:
Bonded License No:
Bonded Name Co:
Bonded Name First:
Bonded Name Last:
Street of Well: 8520 BAYFRONT LANE, BAY CITY, OR 97107
Record Source:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:
Well Log: TILL_52657
Well Log No: 52657
Well Log Version: 1
Type of Log: G
Depth First Water:
Completed Depth: 15.00
Depth Drilled: 15.00
Completed Date: 1/16/2017
Received Date: 2/15/2017
Post Stat Wat Lvl:
Max Yield:
Start Date: 1/16/2017
Startcard No:
Use Domestic:
Use Irrigation:
Use Community:
Use Livestock:
Use Industrial:
Use Injection:
Use Thermal:
Use Dewatering:
Use Piezometer:
Use Other:
Name First:
Name Last:
Name Middle:
Log County Code: TILL
Special Standards:
Well Type Desc: Geo-Technical hole (test hole)
Bonded Constructor:
Bonded License No:
Bonded Name Co:

Owner:
Tax Lot: 03500
Twp/Rng/Sec/QQ:
Township: 1.00
Township Char: S
Range: 10.00
Range Char: W
Sctn: 3
Qtr160: NW
Qtr40: SW
Location County: TILLAMOOK
Street: PO BOX 433
City: TILLAMOOK
Zip: 97141
State: OR
Latitude:
Longitude:
Lat/Long:
Map Link:
File Link:
Exempt Use/Gen Map:
Work New: X
Work Abandon: X
Work Deepen:
Work Alteration:
Work Conversion:
Work Other:

Wells and Additional Sources Detail Report

Bonded Name First:
Bonded Name Last:
Street of Well: 8520 BAYFRONT LANE, BAY CITY, OR 97107
Record Source:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52655	Tax Lot:	03500
Well Log No:	52655	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433
Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8520 BAYFRONT LANE, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52654	Tax Lot:	03500
Well Log No:	52654	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433
Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8520 BAYFRONT LANE, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52652	Tax Lot:	03500

Wells and Additional Sources Detail Report

Well Log No:	52652	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:	4.90	Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:	4.90	Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433
Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8520 BAYFRONT LANE, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52658	Tax Lot:	03500
Well Log No:	52658	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	15.00	Range Char:	W

Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433
Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8520 BAYFRONT LANE, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52650	Tax Lot:	03500
Well Log No:	52650	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433

Wells and Additional Sources Detail Report

Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8520 BAYFRONT LANE, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52656	Tax Lot:	03500
Well Log No:	52656	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433
Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	

Wells and Additional Sources Detail Report

Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8520 BAYFRONT LANE, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	NNW	0.41	2,176.39	20.47	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52651	Tax Lot:	03500
Well Log No:	52651	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	15.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	3
Completed Date:	1/16/2017	Qtr160:	NW
Received Date:	2/15/2017	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	PO BOX 433
Start Date:	1/16/2017	City:	TILLAMOOK
Startcard No:		Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X

Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8520 BAYFRONT LANE, BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	SE	0.57	3,008.99	21.51	WATER WELLS

Well Tag No:	123023	Owner:	
Well Log:	TILL_52624	Tax Lot:	2500
Well Log No:	52624	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	W	Township Char:	S
Depth First Water:	11.00	Range:	10.00
Completed Depth:	50.00	Range Char:	W
Depth Drilled:	50.00	Sctn:	11
Completed Date:	9/14/2016	Qtr160:	NE
Received Date:	10/13/2016	Qtr40:	NW
Post Stat Wat Lvl:	24.00	Location County:	TILLAMOOK
Max Yield:	25.0	Street:	12480 HARTMANN DR
Start Date:	9/14/2016	City:	FOREST GROVE
Startcard No:	1032099	Zip:	97116
Use Domestic:	X	State:	OR
Use Irrigation:		Latitude:	45.50659741
Use Community:		Longitude:	-123.87337294
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	
Use Other:		Work Deepen:	
Name First:	DAVID	Work Alteration:	
Name Last:	REBER	Work Conversion:	
Name Middle:		Work Other:	

Wells and Additional Sources Detail Report

Log County Code:	TILL
Special Standards:	
Well Type Desc:	Water Supply Well
Bonded Constructor:	
Bonded License No:	1956
Bonded Name Co:	LARRY EVEY WELL DRILLING
Bonded Name First:	JOHN
Bonded Name Last:	ROSS
Street of Well:	4000 IDAVILLE RD
Record Source:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.57	3,031.21	141.42	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_51393	Tax Lot:	100
Well Log No:	51393	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	0.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	2
Completed Date:	1/17/2005	Qtr160:	SW
Received Date:	2/10/2005	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	8955 9TH ST
Start Date:	1/17/2005	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	RUTH	Work Alteration:	
Name Last:	TATLOCK	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			

Wells and Additional Sources Detail Report

Bonded Name Co:
Bonded Name First:
Bonded Name Last:
Street of Well: 8955 9TH ST
Record Source:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.57	3,031.21	141.42	WATER WELLS

Well Tag No:
Well Log: TILL_51395
Well Log No: 51395
Well Log Version: 1
Type of Log: G
Depth First Water:
Completed Depth: 0.00
Depth Drilled: 10.00
Completed Date: 1/17/2005
Received Date: 2/10/2005
Post Stat Wat Lvl:
Max Yield:
Start Date: 1/17/2005
Startcard No:
Use Domestic:
Use Irrigation:
Use Community:
Use Livestock:
Use Industrial:
Use Injection:
Use Thermal:
Use Dewatering:
Use Piezometer:
Use Other:
Name First: RUTH
Name Last: TATLOCK
Name Middle:
Log County Code: TILL
Special Standards:
Well Type Desc: Geo-Technical hole (test hole)
Bonded Constructor:
Bonded License No:
Bonded Name Co:
Bonded Name First:
Bonded Name Last:
Street of Well: 8955 9TH ST
Record Source:

Owner:
Tax Lot: 100
Twp/Rng/Sec/QQ:
Township: 1.00
Township Char: S
Range: 10.00
Range Char: W
Sctn: 2
Qtr160: SW
Qtr40: NE
Location County: TILLAMOOK
Street: 8955 9TH ST
City: BAY CITY
Zip: 97107
State: OR
Latitude:
Longitude:
Lat/Long:
Map Link:
File Link:
Exempt Use/Gen Map:
Work New: X
Work Abandon: X
Work Deepen:
Work Alteration:
Work Conversion:
Work Other:

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.57	3,031.21	141.42	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_51394	Tax Lot:	100
Well Log No:	51394	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	0.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	2
Completed Date:	1/17/2005	Qtr160:	SW
Received Date:	2/10/2005	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	8955 9TH ST
Start Date:	1/17/2005	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	RUTH	Work Alteration:	
Name Last:	TATLOCK	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8955 9TH ST		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.57	3,031.21	141.42	WATER WELLS

Well Tag No:		Owner:	

Wells and Additional Sources Detail Report

Well Log:	TILL_51396	Tax Lot:	100
Well Log No:	51396	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	0.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	2
Completed Date:	1/17/2005	Qtr160:	SW
Received Date:	2/10/2005	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	8955 9TH ST
Start Date:	1/17/2005	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	RUTH	Work Alteration:	
Name Last:	TATLOCK	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8955 9TH ST		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.57	3,031.21	141.42	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_51392	Tax Lot:	100
Well Log No:	51392	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00

Completed Depth:	0.00	Range Char:	W
Depth Drilled:	10.00	Sctn:	2
Completed Date:	1/17/2005	Qtr160:	SW
Received Date:	2/10/2005	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	8955 9TH ST
Start Date:	1/17/2005	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	RUTH	Work Alteration:	
Name Last:	TATLOCK	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8955 9TH ST		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.57	3,031.21	141.42	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_51391	Tax Lot:	100
Well Log No:	51391	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	S
Depth First Water:		Range:	10.00
Completed Depth:	0.00	Range Char:	W
Depth Drilled:	15.00	Sctn:	2
Completed Date:	1/17/2005	Qtr160:	SW
Received Date:	2/10/2005	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK

Max Yield:		Street:	8955 9TH ST
Start Date:	1/17/2005	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	RUTH	Work Alteration:	
Name Last:	TATLOCK	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	8955 9TH ST		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	SE	0.69	3,653.33	22.51	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_10	Tax Lot:	2100
Well Log No:	10	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	W	Township Char:	S
Depth First Water:	23.00	Range:	10.00
Completed Depth:	90.00	Range Char:	W
Depth Drilled:	90.00	Sctn:	11
Completed Date:	8/21/1990	Qtr160:	NE
Received Date:	8/23/1990	Qtr40:	NE
Post Stat Wat Lvl:	19.00	Location County:	TILLAMOOK
Max Yield:	50.0	Street:	3950 IDAVILLE RD
Start Date:		City:	TILLAMOOK
Startcard No:	18953	Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:	X	Latitude:	

Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	
Use Other:		Work Deepen:	
Name First:	BEN	Work Alteration:	
Name Last:	HATHAWAY	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Water Supply Well		
Bonded Constructor:			
Bonded License No:	1221		
Bonded Name Co:			
Bonded Name First:	LARRY C		
Bonded Name Last:	EVEY		
Street of Well:	3950 IDAVILLE RD		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	ESE	0.70	3,721.66	29.07	WATER WELLS

Well Tag No:	105001	Owner:	
Well Log:	TILL_52166	Tax Lot:	2200
Well Log No:	52166	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	W	Township Char:	S
Depth First Water:	8.00	Range:	10.00
Completed Depth:	80.00	Range Char:	W
Depth Drilled:	80.00	Sctn:	2
Completed Date:	2/4/2011	Qtr160:	SE
Received Date:	2/7/2011	Qtr40:	SE
Post Stat Wat Lvl:	19.00	Location County:	TILLAMOOK
Max Yield:	30.0	Street:	9500 SANDPIPER LANE
Start Date:	2/3/2011	City:	NEHALEM
Startcard No:	206653	Zip:	97131
Use Domestic:	X	State:	OR
Use Irrigation:		Latitude:	45.50791577
Use Community:		Longitude:	-123.86828064
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	

Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	
Use Other:		Work Deepen:	
Name First:	LARRY	Work Alteration:	
Name Last:	OSWALD	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Water Supply Well		
Bonded Constructor:			
Bonded License No:	1221		
Bonded Name Co:	LARRY EVEY WELL DRILLING INC		
Bonded Name First:	LARRY C		
Bonded Name Last:	EVEY		
Street of Well:	6880 HWY 101 N		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	SE	0.80	4,243.02	27.94	WATER WELLS

Well Tag No:	123024	Owner:	
Well Log:	TILL_52612	Tax Lot:	801
Well Log No:	52612	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	W	Township Char:	S
Depth First Water:	11.00	Range:	10.00
Completed Depth:	50.00	Range Char:	W
Depth Drilled:	50.00	Sctn:	11
Completed Date:	9/6/2016	Qtr160:	NE
Received Date:	9/14/2016	Qtr40:	NE
Post Stat Wat Lvl:	25.00	Location County:	TILLAMOOK
Max Yield:	38.0	Street:	4600 IDAVILLE RD
Start Date:	8/29/2016	City:	TILLAMOOK
Startcard No:	1031913	Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.50529021
Use Community:		Longitude:	-123.86842702
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	
Use Other:	MOBILE HOME PARK	Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	

Wells and Additional Sources Detail Report

Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Water Supply Well		
Bonded Constructor:			
Bonded License No:	1956		
Bonded Name Co:	LARRY EVEY WELL DRILLING		
Bonded Name First:	JOHN		
Bonded Name Last:	ROSS		
Street of Well:	4600 IDAVILLE RD\NTILLAMOOK, OR 97141		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SE	0.81	4,268.99	27.89	WATER WELLS

Well Tag No:	43023	Owner:	
Well Log:	TILL_50887	Tax Lot:	801
Well Log No:	50887	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	W	Township Char:	S
Depth First Water:	17.00	Range:	10.00
Completed Depth:	80.00	Range Char:	W
Depth Drilled:	80.00	Sctn:	11
Completed Date:	7/5/2001	Qtr160:	NE
Received Date:	7/9/2001	Qtr40:	NE
Post Stat Wat Lvl:	18.00	Location County:	TILLAMOOK
Max Yield:	40.0	Street:	4600 IDAVILLE RD
Start Date:	7/3/2001	City:	TILLAMOOK
Startcard No:	137504	Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Water Supply Well		
Bonded Constructor:			

Wells and Additional Sources Detail Report

Bonded License No:	1221
Bonded Name Co:	LARRY EVEY WELL DRILLING
Bonded Name First:	LARRY C
Bonded Name Last:	EVEY
Street of Well:	4600 IDAVILLE RD
Record Source:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SE	0.81	4,268.99	27.89	WATER WELLS

Well Tag No:	36345	Owner:	
Well Log:	TILL_50728	Tax Lot:	900
Well Log No:	50728	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	W	Township Char:	S
Depth First Water:	19.00	Range:	10.00
Completed Depth:	86.00	Range Char:	W
Depth Drilled:	86.00	Sctn:	11
Completed Date:	6/21/2000	Qtr160:	NE
Received Date:	7/3/2000	Qtr40:	NE
Post Stat Wat Lvl:	25.00	Location County:	TILLAMOOK
Max Yield:	24.0	Street:	4600 IDAVILLE RD
Start Date:	6/20/2000	City:	TILLAMOOK
Startcard No:	126649	Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Water Supply Well		
Bonded Constructor:			
Bonded License No:	1221		
Bonded Name Co:	LARRY EVEY WELL DRILLING		
Bonded Name First:	LARRY C		
Bonded Name Last:	EVEY		
Street of Well:	4600 IDAVILLE RD		

Wells and Additional Sources Detail Report

Record Source:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SE	0.82	4,349.84	18.94	WATER WELLS

Well Tag No:	30312	Owner:	
Well Log:	TILL_50642	Tax Lot:	400
Well Log No:	50642	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	W	Township Char:	S
Depth First Water:	11.00	Range:	10.00
Completed Depth:	85.00	Range Char:	W
Depth Drilled:	85.00	Sctn:	2
Completed Date:	11/2/1999	Qtr160:	SE
Received Date:	11/9/1999	Qtr40:	SE
Post Stat Wat Lvl:	19.00	Location County:	TILLAMOOK
Max Yield:	50.0	Street:	9210 CHANCE RD
Start Date:	11/2/1999	City:	TILLAMOOK
Startcard No:	110983	Zip:	97141
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	
Use Other:		Work Deepen:	
Name First:	ALAN	Work Alteration:	
Name Last:	POOL	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Water Supply Well		
Bonded Constructor:			
Bonded License No:	1221		
Bonded Name Co:	LARRY EVEY WELL DRILLING		
Bonded Name First:	LARRY C		
Bonded Name Last:	EVEY		
Street of Well:	HWY 101 AND IDAVILLE RD		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	NNW	0.91	4,792.70	14.05	WATER WELLS

Wells and Additional Sources Detail Report

Well Tag No:		Owner:	
Well Log:	TILL_52864	Tax Lot:	ROW
Well Log No:	52864	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N
Depth First Water:		Range:	10.00
Completed Depth:	40.00	Range Char:	W
Depth Drilled:	40.00	Sctn:	34
Completed Date:	12/4/2018	Qtr160:	SE
Received Date:	5/9/2019	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	5525 B ST
Start Date:	12/4/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.52437778
Use Community:		Longitude:	-123.89215278
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	5420-5400 B STREET BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NNW	0.92	4,841.70	13.75	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_53129	Tax Lot:	ROADS
Well Log No:	53129	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N

Depth First Water:		Range:	10.00
Completed Depth:	25.00	Range Char:	W
Depth Drilled:	25.00	Sctn:	34
Completed Date:	1/12/2022	Qtr160:	SE
Received Date:	1/31/2022	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	12965 SW HERMAN ROAD, SUITE 100
Start Date:	1/12/2022	City:	BAY CITY
Startcard No:		Zip:	97062
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.52453234
Use Community:		Longitude:	-123.89216770
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	PAUL	Work Alteration:	
Name Last:	STULL	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:	10690		
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	B STREET & 3RD STREET, BAY CITY, OREGON		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	N	0.94	4,948.00	57.88	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52863	Tax Lot:	ROW
Well Log No:	52863	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N
Depth First Water:		Range:	10.00
Completed Depth:	80.00	Range Char:	W
Depth Drilled:	80.00	Sctn:	34
Completed Date:	12/4/2018	Qtr160:	SE
Received Date:	5/9/2019	Qtr40:	NE

Wells and Additional Sources Detail Report

Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	5525 B ST
Start Date:	12/3/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.52684167
Use Community:		Longitude:	-123.88495556
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	9598 MAIN STREET BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	NNW	0.94	4,977.46	15.84	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_53128	Tax Lot:	ROADS
Well Log No:	53128	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N
Depth First Water:		Range:	10.00
Completed Depth:	25.00	Range Char:	W
Depth Drilled:	25.00	Sctn:	34
Completed Date:	1/12/2022	Qtr160:	SE
Received Date:	1/31/2022	Qtr40:	SW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	12965 SW HERMAN ROAD, SUITE 100
Start Date:	1/12/2022	City:	TUALATIN
Startcard No:		Zip:	97062
Use Domestic:		State:	OR

Wells and Additional Sources Detail Report

Use Irrigation:		Latitude:	45.52499555
Use Community:		Longitude:	-123.89212478
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	PAUL	Work Alteration:	
Name Last:	STULL	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	B STREET & 3RD STREET, BAY CITY, OREGON		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NNW	0.95	4,996.47	29.81	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52862	Tax Lot:	ROW
Well Log No:	52862	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N
Depth First Water:		Range:	10.00
Completed Depth:	50.00	Range Char:	W
Depth Drilled:	50.00	Sctn:	34
Completed Date:	12/6/2018	Qtr160:	SE
Received Date:	5/9/2019	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	5525 B ST
Start Date:	12/6/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.52614722
Use Community:		Longitude:	-123.88910833
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	

Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	9577-9599 5TH STREET BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	N	0.96	5,071.84	58.98	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52865	Tax Lot:	ROW
Well Log No:	52865	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N
Depth First Water:		Range:	10.00
Completed Depth:	80.00	Range Char:	W
Depth Drilled:	80.00	Sctn:	34
Completed Date:	12/7/2018	Qtr160:	SE
Received Date:	5/9/2019	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	5525 B ST
Start Date:	12/6/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.52718611
Use Community:		Longitude:	-123.88495556
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	

Wells and Additional Sources Detail Report

Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	9898-9700 9TH STREET BAY CITY, OR 97107		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NNW	0.96	5,079.05	29.19	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52861	Tax Lot:	ROW
Well Log No:	52861	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N
Depth First Water:		Range:	10.00
Completed Depth:	50.00	Range Char:	W
Depth Drilled:	50.00	Sctn:	34
Completed Date:	12/6/2018	Qtr160:	SE
Received Date:	5/9/2019	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	5525 B ST
Start Date:	12/5/2018	City:	BAY CITY
Startcard No:		Zip:	97107
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.52638611
Use Community:		Longitude:	-123.88912778
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:		Work Alteration:	
Name Last:		Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		

Bonded Constructor:
Bonded License No:
Bonded Name Co:
Bonded Name First:
Bonded Name Last:
Street of Well: 9698-9600 5TH STREET BAY CITY, OR 97107
Record Source:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NNW	0.97	5,112.54	21.91	WATER WELLS

Well Tag No:
Well Log: TILL_52860
Well Log No: 52860
Well Log Version: 1
Type of Log: G
Depth First Water:
Completed Depth: 50.00
Depth Drilled: 50.00
Completed Date: 12/6/2018
Received Date: 5/9/2019
Post Stat Wat Lvl:
Max Yield:
Start Date: 12/5/2018
Startcard No:
Use Domestic:
Use Irrigation:
Use Community:
Use Livestock:
Use Industrial:
Use Injection:
Use Thermal:
Use Dewatering:
Use Piezometer:
Use Other:
Name First:
Name Last:
Name Middle:
Log County Code: TILL
Special Standards:
Well Type Desc: Geo-Technical hole (test hole)
Bonded Constructor:
Bonded License No:
Bonded Name Co:
Bonded Name First:
Bonded Name Last:

Owner:
Tax Lot: ROW
Twp/Rng/Sec/QQ:
Township: 1.00
Township Char: N
Range: 10.00
Range Char: W
Sctn: 34
Qtr160: SE
Qtr40: NW
Location County: TILLAMOOK
Street: 5525 B ST
City: BAY CITY
Zip: 97107
State: OR
Latitude: 45.52617222
Longitude: -123.89015833
Lat/Long:
Map Link:
File Link:
Exempt Use/Gen Map:
Work New: X
Work Abandon: X
Work Deepen:
Work Alteration:
Work Conversion:
Work Other:

Street of Well: 9563-9599 4TH STREET BAY CITY, OR 97107
Record Source:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NNW	0.97	5,140.64	15.91	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_52520	Tax Lot:	10603
Well Log No:	52520	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N
Depth First Water:	10.00	Range:	10.00
Completed Depth:	25.00	Range Char:	W
Depth Drilled:	25.00	Sctn:	34
Completed Date:	7/16/2015	Qtr160:	SE
Received Date:	7/28/2015	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	15005 SE 18TH ST
Start Date:	7/16/2015	City:	BELLEVUE
Startcard No:		Zip:	98007
Use Domestic:		State:	WA
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	BARRY & COLLEEN	Work Alteration:	
Name Last:	SCOVEL	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	9585 4TH ST. BAY CITY, OREGON		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	NNW	0.97	5,140.64	15.91	WATER WELLS

Wells and Additional Sources Detail Report

Well Tag No:		Owner:	
Well Log:	TILL_52519	Tax Lot:	10603
Well Log No:	52519	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00
Type of Log:	G	Township Char:	N
Depth First Water:	10.00	Range:	10.00
Completed Depth:	40.00	Range Char:	W
Depth Drilled:	40.00	Sctn:	34
Completed Date:	7/16/2015	Qtr160:	SE
Received Date:	7/28/2015	Qtr40:	NE
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	15005 SE 18TH ST
Start Date:	7/16/2015	City:	BELLEVUE
Startcard No:		Zip:	98007
Use Domestic:		State:	WA
Use Irrigation:		Latitude:	
Use Community:		Longitude:	
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	BARRY & COLLEEN	Work Alteration:	
Name Last:	SCOVEL	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	9585 4TH ST. BAY CITY, OREGON		
Record Source:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	NNW	0.98	5,185.06	10.79	WATER WELLS

Well Tag No:		Owner:	
Well Log:	TILL_53130	Tax Lot:	7000
Well Log No:	53130	Twp/Rng/Sec/QQ:	
Well Log Version:	1	Township:	1.00

Wells and Additional Sources Detail Report

Type of Log:	G	Township Char:	N
Depth First Water:		Range:	10.00
Completed Depth:	25.00	Range Char:	W
Depth Drilled:	25.00	Sctn:	34
Completed Date:	1/12/2022	Qtr160:	SE
Received Date:	1/31/2022	Qtr40:	NW
Post Stat Wat Lvl:		Location County:	TILLAMOOK
Max Yield:		Street:	12965 SW HERMAN ROAD, SUITE 100
Start Date:	1/12/2022	City:	BAY CITY
Startcard No:		Zip:	97062
Use Domestic:		State:	OR
Use Irrigation:		Latitude:	45.52556900
Use Community:		Longitude:	-123.89234800
Use Livestock:		Lat/Long:	
Use Industrial:		Map Link:	
Use Injection:		File Link:	
Use Thermal:		Exempt Use/Gen Map:	
Use Dewatering:		Work New:	X
Use Piezometer:		Work Abandon:	X
Use Other:		Work Deepen:	
Name First:	PAUL	Work Alteration:	
Name Last:	STULL	Work Conversion:	
Name Middle:		Work Other:	
Log County Code:	TILL		
Special Standards:			
Well Type Desc:	Geo-Technical hole (test hole)		
Bonded Constructor:			
Bonded License No:			
Bonded Name Co:			
Bonded Name First:			
Bonded Name Last:			
Street of Well:	B STREET & 3RD STREET, BAY CITY, OREGON		
Record Source:			

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *TILLAMOOK* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *TILLAMOOK* County

No Measures/Homes:	9
Geometric Mean:	1.7
Arithmetic Mean:	2.3
Median:	2.4
Standard Deviation:	1.7
Maximum:	5.7
% >4 pCi/L:	11
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Indoor radon data from the Oregon Radon Project conducted by the Oregon Division of Health. Data represent randomly-sampledl2-month Alpha-track detector measurements collected during 1988-1990.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Oil and Gas Wells **OGW**

Oil and Gas Well Data collected by State of Oregon Department of Geology and Mineral Industries.

Public Water Systems **PWS**

Public Water Systems data provided by the Oregon Drinking Water Services (DWS), Oregon Health Authority via the Drinking Water Data Online database. Addresses may correspond with the location of the water system, or with a contact address.

Well Log Report **WATER WELLS**

The Water Resources Department maintains a Well Log report that tracks the construction of water wells in the state of Oregon. Public Land Survey System (PLSS) locations provided by the source are subject to accuracy limitations inherent to the PLSS system.

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APPENDIX E

Subject Property Municipal Records and User Questionnaires

Cascade Environmental Solutions
7302 North Richmond Avenue | Portland, Oregon 97203
503.805.4846
jlevy@cascade-environmental.com
www.cascade-environmental.com

ASTM E 1527-0021
OWNER QUESTIONNAIRE for
Phase I ESA and Transaction Screen Assessments

A "User Questionnaire" is completed by the user to help gather information that may identify potential environmental issues and/or concerns associated with the project site and/or nearby sites. All historical environmental documentation, including, but not limited to: previous reports, sampling and/or permitting, must be provided to Cascade Environmental Solutions for review. We ask that you answer the questions to the best of your knowledge. We understand that, in some circumstances, you may have little or no information. Still, we encourage you to complete and return the questionnaire as soon as possible. The E1527-21 Standard requires that the User ensure that the consultant is made aware that any of these materials exist for a site, and if so, that these documents be provided for the consultant's review. Please indicate whether any of these documents are available and ensure that Cascade Environmental Solutions will either receive copies or be provided an opportunity to review the relevant materials. We appreciate your assistance. If you have any questions, please contact us.

Your Information

Name	Liane Welch
Company	Tillamook ~~Estuaries~~ Partnership
Title	Project Manager
Phone Number	503.703.5348
Email	liane@tbnep.org

Site Information

Project Title and Address:	Property Tax Lot Number:
TEP Estuary Science Center 7855 Warren St, Bay City, OR	1S 10W 2CB 1800 1S 10W 2CC 0100
Current Property Owner Name and Contact Information: Tillamook Estuaries Partnership Liane Welch 503.703.5348 liane@tbnep.org	Site Visit Instructions/Restrictions. Is there a key or a code for access? Please contact Liane Welch for keys to house. We plan to demolish the house
Site Visit Contact Person/Info: Liane Welch 503.703.5348	Last Sale Date: November 2024
Buyer Name and Contact Info: Liane Welch 503.703.5348 liane@tbnep.org	Current Use of Site: residential
List Those to Be Named as User of the Report (changes to listed Users after report being issued may result in an additional fee): Kristi Foster Claudine Rehn, Liane Welch John Kirby, Liz Campbell	Proposed Use of Site: Estuary Science Center
Return Report(s) and Invoice To: Liane Welch liane@tbnep.org	What is the reason for this environmental assessment? Potential bank loan for construction
How did you hear about Cascade Environmental? Valerie Schumann →	Who referred you to us?

Property Use and Specifications	
☒ Single- Family Residential	☐ Vacant or undeveloped
☐ Multi- Family Residential	☐ Agricultural, specify type:
☐ Commercial Office	☐ Industrial, specify type:
☐ Commercial Retail	☐ Other, specify:

1. Has there been any previous environmental work done at the project site? If so, are there related environmental reports? Please summarize here and provide all available historic reports to Cascade Environmental.

If Yes, please note type and describe: ☐ Phase I ESA ☐ Phase II ☒ Asbestos ☐ Lead Paint ☐ Radon

Asbestos on the house is scheduled for Dec 9, 2024.

2. Please summarize any knowledge you have of the property's history, original development, dates of renovations, historical operations, etc.

I understand the property was purchased in 1986 and a manufactured home was placed on it in 1987. We understand that this house had residential drug use, maybe methamphetamine

There was a garage on the property, but it burned down several years ago.

We plan to burn the manufactured home with the Bay city Fire department

Environmental Details

Is there now, or has there ever been a water well on site? If so, where is it located? YES ☐ NO ☒	Are there currently or have there been in the past any vent pipes, fill pipes, or access ways protruding from the ground on the property or adjacent to any structure located on the property? I have not seen any YES ☐ NO ☐
Are there any septic systems, cesspools or onsite sewage treatment on the site? YES ☐ NO ☒	Has fill dirt been brought onto the property, that originated from an outside source? If yes, what was the source of the fill dirt? The site is relatively flat and does not appear to have fill. We have a geotechnical investigation on-going. YES ☐ NO ☒
What is the source for drinking water at the property? If the source is a municipal water supply, have you received a Consumer Confidence Report from your Water Supply Agency? Have you ever been informed of lead or other contaminants in the drinking water in excess of EPA maximum contaminant levels (MCLs)? Yes we are below the MCL's YES ☐ NO ☐	Are there currently any registered or unregistered storage tanks (above or underground) located on the property? Have there been previously? Don't know YES ☐ NO ☐

Are there currently or have there ever been any pits, ponds or lagoons located on the property? YES ☐ NO ☒	Do you know of any historical quarries, mines or mills on the property or adjacent properties? YES ☐ NO ☒
Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs? YES ☐ NO ☒	Are there currently or have there ever been in the past, any flooring, drains, or walls that emit foul odors? Unsure YES ☐ NO ☐
Are there currently or have there ever any flooring, drains, or walls located within the facility that are stained by substances other than water? Unsure – The house is a mess. YES ☐ NO ☐	Is there currently or has there ever been any stained soil on the property? ? YES ☐ NO ☐

Has the property ever been used as a landfill, illicit or permitted? YES ☐ NO ☒	Is there any portion of the property that is covered by water or waterlogged for long periods of time? Swamps, marshes or bogs? YES ☐ NO ☒
Do you have any knowledge of environmental liens or governmental notification relating to past or current violations of environmental laws with respect to the property or any facility located on the property? YES ☐ NO ☒	Have you ever been informed of the current or past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property? YES ☐ NO ☒
Does the property discharge wastewater on or adjacent to the property, other than stormwater into a stormwater sewer system? YES ☐ NO ☒	Do you know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release of any hazardous substance or petroleum products involving the property by any owner or occupant or the property? YES ☐ NO ☒

Are there currently or have there been in the past any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gal (19L) in volume or 50 gal (190L) in the aggregate, stored on or used at the property or at the facility? YES ☐ NO ☒	Are there currently any industrial drums (typically 55 gal) or sacks of chemicals located on the property or at the facility? Do you have any prior knowledge that there have been any industrial drums or sacks of chemicals located on the property or at the facility? YES ☐ NO ☒
Has the property ever been used as a gasoline station; motor repair facility; commercial printing facility; dry cleaners; photo developing laboratory; junkyard or landfill; or as a waste treatment, storage, disposal, processing, or a recycling facility (if applicable, identify which)? YES ☐ NO ☒	Is any adjoining property used for an industrial purpose? Do you have any knowledge of adjoining properties having been industrial in the past? Unsure YES ☐ NO ☐

- Have any and all previous environmental reports been provided to Cascade Environmental?
  None that I know.
- Has the title report been provided to Cascade Environmental?
- Have maps and or site location specifics been provided to Cascade Environmental?

Title and Name: Liane Welch, Project Manager

Signature: Liane Welch

Date: 12/9/2024

Please provide the following documentation to CES, if available:
* Previous Phase I Environmental Site Assessment reports
* Asbestos or Lead-Based Paint reports
* Environmental compliance audit reports
* Environmental permits and registrations for USTs and/or ASTs
* Title Report

Please contact us with any questions and return the completed document to:
jlevy@cascade-environmental.com or ewebb@cascade-environmental.com

Improvement Summary

TILLAMOOK County

For Assessment Year 2024

Account ID 78864

Map 1S1002CC00100

Situs 7855 WARREN ST BAY CITY OR

Mailing TILLAMOOK ESTUARIES PARTNERSHIP
PO BOX 493
GARIBALDI OR 97118

Bldg	Code Area	Stat Class	Year Built	Comp %	Description	Sqft
2	5615	942	1986	100	942 - Class 4, Double Wide	1,568

Rooms: 3 - BD, 2 - FB

Floors

Description	Class	Comp %	OR %	Sqft
First Floor	4	100		1568

Improvement Inventory

Description	Qty/Size	Description	Qty/Size
G/D - MS DOWNSPOUTS	32	SKIRT - METAL/VINYL - VERTICAL	168
G/D - MS GUTTERS	112		

Total RMV $28,650

Improvement Summary

TILLAMOOK County

For Assessment Year 2024

Account ID 78864

Map 1S1002CC00100

Situs 7855 WARREN ST BAY CITY OR

Mailing TILLAMOOK ESTUARIES PARTNERSHIP
PO BOX 493
GARIBALDI OR 97118

Bldg	Code Area	Stat Class	Year Built	Comp %	Description	Sqft
1	5615	910	1986	100	910 - M S Other Improvements	0

Rooms:

Floors

Description	Class	Comp %	OR %	Sqft
Carport	4	100		247

Improvement Inventory

Description	Qty/Size	Description	Qty/Size
GRAVEL FLOOR	252	WALL CURTAIN	13
ROOF COV - ARCH COMP LGT	247		

Accessories

Description	Size	Qty
DECK W/RAILING	48	
DECK W/RAILING	48	
ACCESSORY COVER-LOW COST	48	
ACCESSORY COVER-LOW COST	48	

Total RMV $18,650

Tillamook County
2024 Real Property Assessment Report
Account 78864

Map	1S1002CC00100	**Tax Status**	Assessable
Code - Tax ID	5615 - 78864	**Account Status**	Active
		Subtype	NORMAL
Legal Descr	BARVIEW ADDITION TO BAY CITY		
	Block - 1		
Mailing	TILLAMOOK ESTUARIES PARTNERSHIP PO BOX 493 GARIBALDI OR 97118	**Deed Reference #**	2024-4679
		Sales Date/Price	11-04-2024 / $299,000
		Appraiser	ROBERT BUCKINGHAM

Property Class	109	**MA**	**SA**	**NH**
RMV Class	109	03	ST	361

Site	Situs Address	City
1	7855 WARREN ST	BAY CITY

Value Summary

Code Area		RMV	MAV	AV		RMV Exception	CPR %
5615	**Land**	108,890			**Land**	0	
	Impr	47,300			**Impr**	0	
Code Area Total		156,190	108,640	102,510		0	
Grand Total		156,190	108,640	102,510		0	

Land Breakdown

Code Area	ID #	RFPD	Ex	Plan Zone	Value Source	Trend %	Size	Land Class	Trended RMV
5615					LANDSCAPE - AVERAGE	100			1,500
	1	☑		BC-MI	Market	114	0.47 AC		85,240
					OSD - AVERAGE	100			22,150
					Code Area Total		0.47 AC		108,890

Improvement Breakdown

Code Area	ID #	Year Built	Stat Class	Description	Trend %	Total Sqft	Ex%	MS Acct	Trended RMV
5615	1	1986	910	M S Other Improvements	116	0			18,650
	2	1986	942	Class 4, Double Wide	118	1,568		R-360754	28,650
					Code Area Total	1,568			47,300

Exemptions / Special Assessments / Notations

Code Area 5615

Exemptions (AV)	Amount
■ VETERANS AND SPOUSES 307.250 NON-SERVICE	25,537

Special Assessments	Amount	Year Used
■ SOLID WASTE	12.00	2024

MS Accounts 5615 - R-360754

Comments 8/4/04 MS review, added photo. dv. 7/12/12-Reappraised land.DB 11/13/12 Tabled land.LM 09/13/13 Reappraisal; updated inventory. RBB

Tillamook County
2024 Real Property Assessment Report
Account 78837

Map	1S1002CB01800	**Tax Status**	Assessable
Code - Tax ID	5615 - 78837	**Account Status**	Active
		Subtype	NORMAL
Legal Descr	See Record		
Mailing	TILLAMOOK ESTUARIES PARTNERSHIP PO BOX 493 GARIBALDI OR 97118	**Deed Reference #**	2024-4679
		Sales Date/Price	11-04-2024 / $299,000
		Appraiser	RYANN KING

Property Class	100	**MA**	**SA**	**NH**
RMV Class	100	03	ST	361

Site	Situs Address	City
1	7855 WARREN ST	BAY CITY

Value Summary

Code Area		RMV	MAV	AV		RMV Exception	CPR %
5615	**Land**	107,890			**Land**	0	
	Impr	0			**Impr**	0	
Code Area Total		107,890	63,020	63,020		0	
Grand Total		107,890	63,020	63,020		0	

Land Breakdown

Code Area	ID #	RFPD	Ex	Plan Zone	Value Source	Trend %	Size	Land Class	Trended RMV
5615					LANDSCAPE - FAIR	100			500
	1	☑		BC-MI	Market	114	0.49 AC		85,240
					OSD - AVERAGE	100			22,150
					Code Area Total		0.49 AC		107,890

Improvement Breakdown

Code Area	ID #	Year Built	Stat Class	Description	Trend %	Total Sqft	Ex%	MS Acct	Trended RMV

Exemptions / Special Assessments / Notations

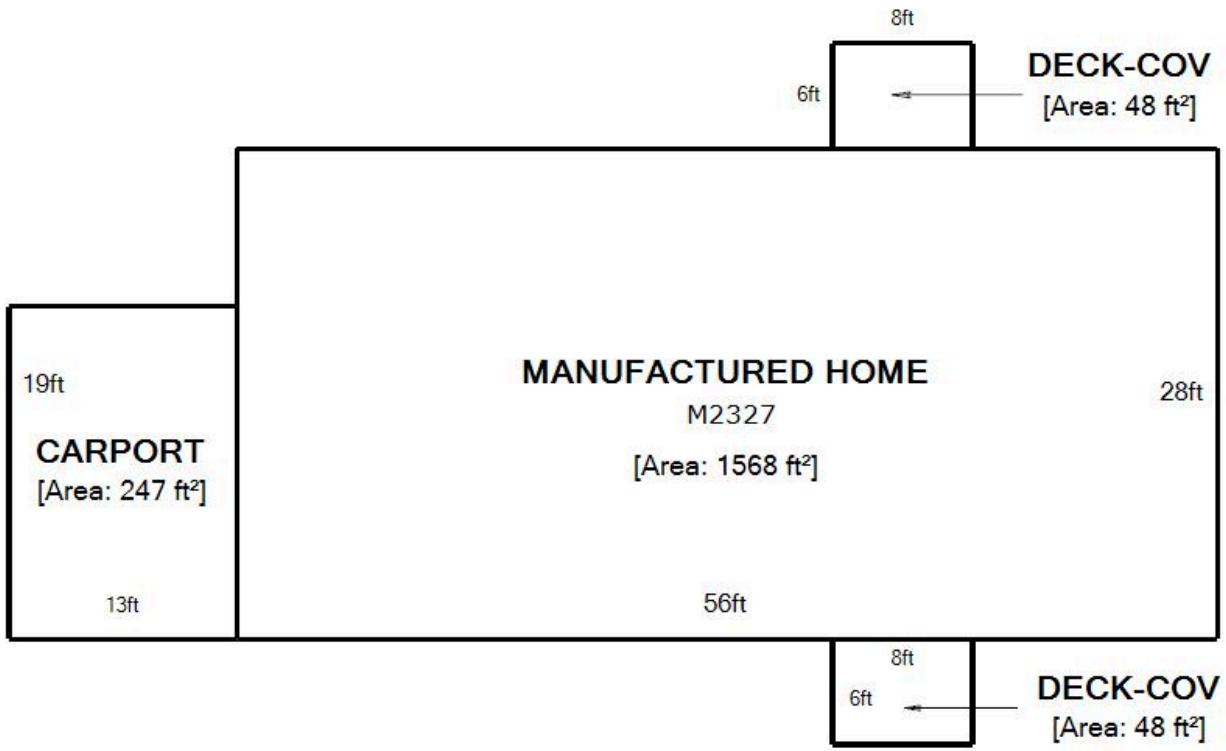
Notations

- DEMOLISHED PROPERTY RMV & MAV ADJUSTED 308.146 ADDED 2013
- DEMOLISHED PROPERTY RMV & MAV ADJUSTED 308.146 ADDED 2023

Comments

07/17/12 Reappraised land. RBB
11/2/12 Tabled land.LM
09/13/13 SFD demolished, detached garage & cover remains; found during reappraisal. Adjusted RMV & MAV; added notation. RBB
12/6/19 Review override & entered values. RP
12/13/19 Reviewed override. Left OR on due to condition. RP
7/10/23 Demo detached garage - Adjusted RMV & MAV. RK

MAP ID: 1S 10 02 CC 00100
ACCT: 78864/360754
SITUS: 7845 WARREN ST, BAY CITY
BY: DB-7/6/12; RBB-09/13/13



1S1002CC00100

FID	805
OBJECTID	14518
County	29
Town	1
TownPart	0.000000
TownDir	S
Range	10
RangePart	0.000000
RangeDir	W
SecNumber	2
Qtr	C
QtrQtr	C
Anomaly	
MapSufNum	0
MapNumber	01S10W02CC
ORMapNum	2901.00S10.00W02CC--0000
Taxlot	100
MapTaxlot	1S1002CC00100
ORTaxlot	2901.00S10.00W02CC--000000100
TaxlotFeet	0
TaxlotAcre	0.000000
MapAcres	0.460884
ReliaCode	0
MapClass	U
MapRelCode	1
AutoDate	12/3/2003, 4:00 PM
AutoMethod	CON
AutoWho	mch
REFLink	More info
MapSufType	
SpecialInt	
Shape_Leng	604.138998
OID_	9983
COUNTY_1	29.000000
MAPTAXLO_1	1S1002CC00100
SIMAPTAX	1S1002CC00100
PRIMACCNUM	78864
OWNERLINE1	ETHERIDGE, RALPH R & HATTIE J
OWNERLINE2	
OWNERLINE3	
AGENTNAME	
MAILADD1	21620 E BEAVER CREEK RD
MAILADD2	
MAILCITY	CLOVERDALE
MAILSTATE	OR
MAILCNTRY	
MAILZIP	97112
SITEADDNAM	7855 WARREN ST
SITEADDCTY	BAY CITY

SITEZIP	
INSTYEAR	1988.000000

REPORT OF GEOTECHNICAL ENGINEERING SERVICES

Tillamook Estuaries Partnership
Bay City Office Project
Bay City, Oregon

Geotech Solutions Inc.

December 12, 2024

GSI Project: tep-24-1-gi

Geotech Solutions Inc.

December 12, 2024 *tep-24-1-gi*

Tillamook Estuaries Partnership
liane@tbnep.org; claudine@tbnep.org

REPORT OF GEOTECHNICAL ENGINEERING SERVICES
Tillamook Estuaries Offices
7855 Warren Street, Bay City, Oregon

As authorized, we are pleased to present this report summarizing our geotechnical engineering services for the proposed new development on roughly one acre at the subject address. Development is to include demolition of existing structures and new construction including single-story office, lobby, and laboratory space covering roughly 8,000 square feet, along with a roughly 1,200 square foot single-story duplex. Proposed improvements also include pervious and impervious pavements and utilities. The purpose of our services was to provide geotechnical engineering recommendations for design. Our specific scope of work included the following:

- Provide principal-level geotechnical project management including client communications, management of field and subcontracted services, report writing, analyses, and invoicing.
- Review previous reports, geologic maps, and vicinity geotechnical information as indicators of subsurface conditions.
- Complete a site reconnaissance to observe surface features relevant to geotechnical issues, such as topography, vegetation, presence and condition of springs, exposed soils and rock, and evidence of previous grading.
- Complete a "one call" public locate and a private utility locate for locatable utilities (limited to metallic or with tracer wire). As-built utilities are also requested from the owner. Unlocatable utilities are the responsibility of the owner, and our scope does not include any related utility repair.
- Explore subsurface conditions by advancing one CPT probe to a depth of up to 60 feet or refusal and two test pits up to 10 feet or refusal in accessible areas. Complete ppd testing in the cone and observe for seepage to evaluate ground water depths.
- Complete shallow infiltration testing in one of the test pits, and provide a pervious pavement subgrade infiltration rate for the civil engineer's use in design, if feasible. Low rates and shallow ground water are expected and significant infiltration may not be feasible.
- Classify and sample materials encountered and maintain a detailed log of the explorations.
- Determine the moisture content of selected samples obtained from the explorations and complete soil classification testing, as necessary.
- Provide recommendations for earthwork including site preparation, reuse of existing fill in place or stabilized or reinstalled, seasonal material usage, compaction criteria, utility trench backfill, and the need for subsurface drainage.
- Evaluate site liquefaction potential and estimate site deformations and provide qualitative means to address unsuitable deformations if needed.
- Provide recommendations for shallow foundations including suitable soils, stabilization, bearing pressures, sliding coefficient, and a seismic site class, as well as geotechnical parameters for deep foundation support for up to one pile type, if needed.

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- Provide recommendations for slab support, including a subgrade modulus if needed, underslab rock thickness and materials, and the need for stabilization.
- Provide recommendations for pervious and non-pervious pavements including subgrade preparation and stabilization, and base rock and asphalt concrete and portland cement concrete thicknesses, as well as subgrade infiltration rate for pervious pavements.
- Provide a written report summarizing the results of our geotechnical evaluation.
- Complete an appended seismic hazard study identifying potential for liquefaction, amplification, fault surface rupture, and seismic elements for hazard evaluation to the degree of complexity compatible with the project.

SITE CONDITIONS

Site Surface Conditions

The site includes a residence and associated driveway and covered eastern concrete strips/features near the building, as well as an abandoned slab in the north, with most of the site area covered in grass and with large trees to the east. The site is relatively flat.

Site Geological Context

We reviewed geological mapping on file with DOGAMI consisting of Bulletin 74 – Nehalem Quad, TIM Till-06, OFR O-21-08, OFR O-23-01, as well as Oregon SLIDO landslide mapping. These show the general site area mapped as Oligocene Miocene sedimentary rock of tuffaceous siltstone. No mapped slides are near the site. The site is expected to be inundated by most Cascadia Subduction Zone earthquake scenarios.

Subsurface Conditions

General – Subsurface conditions at the site were explored on December 2 and 6, 2024 by completing 2 cone penetrometer test probes (CPT's) to refusal at depths of 11 to 15 feet, and test pits (TP-1 and TP-2) to depths of up to 11 feet below the existing ground surface (bgs). In general, explorations encountered 2 feet of very soft black organic topsoil underlain by medium stiff yellowish-brown silt with some clay and cemented zones near 5 and 11 feet. Tip resistance generally ranged from 5 to 25 tsf, higher where cemented, with refusal at over 400 tsf.

Approximate exploration locations are shown on the attached ***Site Plan.*** Specific subsurface conditions observed at each exploration are described in the attached exploration logs.

Laboratory Testing – Laboratory testing resulted in moisture contents of 32 to 49%, in the silt, and 53% in the topsoil (from organic content). Results of moisture content testing are provided in the attached ***Moisture Contents***.

Infiltration testing at a depth of 2.5 feet in TP-1 indicated low infiltration rates less than 0.5 $in^3/in^2/hr$ in the medium stiff yellowish-brown silt, which is typical of these soils.

Groundwater – We observed groundwater slow seepage near depths of 5 feet in the test pits, immediately above a cemented zone, and observe soil staining indicative of higher seasonal fluctuations in the top few feet.

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CONCLUSIONS AND RECOMMENDATIONS

General

Based on the results of our explorations, laboratory testing, and engineering analyses, it is our opinion that the site can be developed as proposed following the recommendations contained herein. Key geotechnical issues include removal of topsoil and developed site features, and moisture sensitivity of site soils. Specific geotechnical recommendations are provided in the following sections.

Site Preparation

General – Prior to earthwork construction, the site must be prepared by removing any existing structures, utilities, fill, and topsoil. Deeper topsoil stripping depths may be required in areas of loose organic soil typically associated with trees and shrubs. Root balls from trees and shrubs may extend several feet and grubbing operations can cause considerable subgrade disturbance. All disturbed material must be removed to undisturbed subgrade and backfilled with structural fill. In general, roots greater than one-inch in diameter must be removed as well as areas of concentrated smaller roots where organic content exceeds 2% by dry weight.

The test pit excavations were backfilled using relatively minimal compactive effort. Therefore, soft spots can be expected at these locations. We recommend that these relatively uncompacted soils be removed from the test pits located within the proposed building and paved areas to a depth of 3.0 feet below finished subgrade. The resulting excavation must be brought back to grade with structural fill. If located beneath a footing, the uncompacted soils must be completely removed and replaced with structural fill.

Stabilization and Soft Areas - After stripping and fill removal, we must be contacted to evaluate the exposed subgrade. This evaluation can be done by proof rolling in dry conditions or probing during wet conditions. Soft areas will require over-excavation and backfilling with well graded, angular crushed rock compacted as structural fill. Geosynthetics may also be required. We recommend that geosynthetics for stabilization consist of a Propex Geotex 801 overlying a suitable punched and drawn biaxial geogrid such as a Hanes EGrid 2020 or Propex Gridpro BXP12-4 (or equivalents).

Working Blankets and Haul Roads - Construction equipment must not operate directly on the subgrade, as it is susceptible to disturbance and softening. Rock working blankets and haul roads placed over a geosynthetic in a thickened advancing pad can be used to protect subgrades. We recommend that sound, angular, pit run or crushed basalt with no more than 6 percent passing a #200 sieve be used to construct haul roads and working blankets. Working blankets must be at least 12 inches thick, and haul roads at least 18 inches thick. These can typically be reduced to 10 and 14 inches, respectively, with the use of the preceding separation geosynthetic and geogrid. Some repair of working blankets and haul roads should be expected.

The preceding rock and amendment thicknesses are the minimum recommended. Subgrade protection is the responsibility of the contractor and thicker sections may be required based on subgrade conditions during construction and type and frequency of construction equipment.

Earthwork

Fill – The site fine grained native soil beneath the topsoil can be used for structural fill if properly moisture conditioned and free of deleterious materials. Use of this material will not be feasible during wet conditions, and use of the clayey material may not be feasible or advisable in any conditions due to

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high plasticity. Given the site climate, proper drying of the soil is expected to be difficult and have a short late summer window of opportunity. The on-site soil will require drying by scarification and frequent mixing in thin lifts which again will only be feasible during hot dry summer conditions. Once moisture contents are within 3 percent of optimum, the material must be compacted to at least 92 percent relative to ASTM D1557 (modified proctor) using a tamping foot type compactor. Fill must be placed in lifts no greater than 10 inches in loose thickness. In addition to meeting density specifications, fill will also need to pass a proof roll using a loaded dump truck, water truck, or similar size equipment.

In wet conditions, fill must be imported granular soil with less than 6 percent fines, such as clean crushed or pit run rock. This material must also be compacted to 95 percent relative to ASTM D1557.

Trenches – Utility trenches may encounter ground water seepage and caving must be expected where seepage is present. Shoring of utility trenches will be required for depths greater than 4 feet and where groundwater seepage is present. We recommend that the type and design of the shoring system be the responsibility of the contractor, who is in the best position to choose a system that fits the plan of operation.

Depending on the excavation depth and amount of groundwater seepage, dewatering may be necessary for construction of underground utilities. Flow rates for dewatering are likely to vary depending on location, soil type, and the season during which the excavation occurs. The dewatering systems, if necessary, must be capable of adapting to variable flows.

Pipe bedding must be installed in accordance with the pipe manufacturers' recommendations. If groundwater is present in the base of the utility trench excavation, we recommend overexcavating the trench by 12 to 18 inches and placing trench stabilization material in the base. Trench stabilization material must consist of well-graded, crushed rock or crushed gravel with a maximum particle size of 4 inches and be free of deleterious materials. The percent passing the U.S. Standard No. 200 Sieve must be less than 5 percent by weight when tested in accordance with ASTM C 117.

Trench backfill above the pipe zone must consist of well graded, angular crushed rock or sand fill with no more than 7 percent passing a #200 sieve. Trench backfill must be compacted to 92 percent relative to ASTM D-1557, and construction of hard surfaces, such as sidewalks or pavement, must not occur within one week of backfilling.

Seismic Design

General - In accordance with the International Building Code (IBC) as adapted by State of Oregon Structural Specialty Code (SOSSC) and based on our explorations and experience in the site vicinity, the subject project must be evaluated using the parameters associated with Site Class C. The site is subject to tsunami inundation from most Cascadia Subduction Zone interface earthquake events.

Liquefaction - Liquefaction occurs in loose, saturated, granular soils. Strong shaking, such as that experienced during earthquakes, causes the densification and the subsequent settlement of these soils. Given the soil type and consistency encountered in our explorations, the risk of liquefaction related structurally damaging deformations in proposed building areas is low.

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Infiltration
Infiltration into site soils will be difficult, even for pervious pavements, and is generally not recommended due to the low rates and potential for shallow seasonal ground water. If attempted, the recommendations in the pervious pavements section in this report must be followed.

Shallow Foundations
Based on the provided information regarding building type and anticipated structural loads as previously stated, the proposed structure can be supported on shallow spread foundations bearing in the native medium stiff silt or structural fill. Footings must be embedded at least 18 inches below the lowest adjacent, exterior grade. Footings can be designed for an allowable net bearing pressure of 2,500 psf when founded on medium stiff or better native silt or structural fill. The preceding bearing pressure can be increased to 5,000 psf for temporary wind and seismic loads.

Continuous footings must be no less than 18 inches wide, and pad footings must be no less than 24 inches wide. Resistance to lateral loads can be obtained by a passive equivalent fluid pressure of 400 pcf against suitable footings, ignoring the top 12 inches of embedment, and by a footing base friction coefficient of 0.38. Each of these includes a factor of safety of 1.5 to limit deformation to near one inch. Properly founded footings are expected to settle less than a total of 1 inch, with less than ½ inch differentially.

If footing construction is to occur in wet conditions, a few inches of crushed rock must be placed at the base of footings to reduce subgrade disturbance and softening during construction.

Slabs
Floor slab loads up to 250 psf are expected to induce less than one inch of settlement if based on native soils. A minimum of 12 inches of clean, angular crushed rock with no more than 5 percent passing a #200 sieve is recommended for underslab rock. If the subgrade is fully prepared in the dry season, and if the slab is to be placed prior to fall rains, it may be possible to use 6 inches of rock on the pad if all rubber-tired traffic is supported on haul roads (such as thickening a road on the pad for use then cutting it back down). Prior to slab rock placement the subgrade will need to be evaluated by our probing or observation of proof rolling using a fully loaded dump truck or equivalent wheel load equipment. Underslab rock must be compacted to 92 percent compaction relative to ASTM D1557 and must also be proof rolled or evaluated by the geotechnical engineer for suitable stiffness/relative density. In addition, any areas contaminated with fines must be removed and replaced with clean rock. If the base rock is saturated or trapping water, this water must be removed prior to slab placement.

Some flooring manufacturers require specific slab moisture levels and/or vapor barriers to validate the warranties on their products. A properly installed and protected vapor flow retardant can reduce slab moisture. If a vapor flow retardant is used, care must be taken not to trap moisture within the overlying granular fill and floor slab concrete.

Drainage
General - We recommend installing perimeter foundation drains around all exterior foundations. These drains can be eliminated if a vapor barrier is used over the underslab rock surface and poured directly on, and if slab subgrade is at or above pre-existing grades. In all cases the surface around building perimeters must be sloped to drain away from the buildings. As stated previously, our retaining

wall recommendations are based on drained conditions. All retaining walls must include a drain constructed as described in the following section.

Foundation and Wall Drains - Foundation and retaining wall drains must consist of a two-foot-wide zone of drain rock encompassing a 4-inch diameter perforated pipe, all enclosed with a non-woven filter fabric. The drain rock must have no more than 2 % passing a #200 sieve and must extend to within one foot of the ground surface. The geosynthetic must have an AOS of a #70 sieve, a minimum permittivity of 1.0 sec^{-1}, and a minimum puncture resistance of 80 pounds (such as Propex Geotex 601 or equivalent). Alternatively, a composite drain board such as an Amoco 500/520 could be used. In either case, one foot of low permeability soil (such as the on-site silt) must be placed over the fabric at the top of the drain to isolate the drain from surface runoff.

Hardscaping and Pavement

Hardscaping – These features include sidewalks and pavers subjected only to foot traffic. We must be contacted to evaluate increased thicknesses if vehicle support is planned. These features must be based on native subgrade or structural fill overlain by a Propex Geotex 801 separation geosynthetic (or equivalent), in turn overlain by at least 6 inches of well graded angular crushed rock with less than 5 percent fines compacted to 95% relative to ASTM D1557. A sand or fine gravel bedding layer may be used per manufacturers' recommendations for pavers provided the material contains less than 3% fines. This material must be compacted to 92 percent relative to ASTM D1557.

Asphalt Cement Concrete – At the time of this report we did not have specific information regarding the type and frequency of expected traffic. We therefore developed asphalt concrete pavement thicknesses for areas exposed to passenger vehicles only and areas exposed to up to one truck per day based on a 20-year design life and a truck factor of 0.6. We assumed that the average truck will consist of a panel-type delivery truck, with occasional 3- to 5-axle trucks. Traffic volumes can be revised if specific data is available.

Our pavement analyses are based on AASHTO methods and subgrade of structural fill or undisturbed medium stiff or better native silt having a resilient modulus of 6,000 psi and prepared as recommended herein. We have also assumed that roadway construction will be completed during an extended period of dry weather. The results of our analyses based on these parameters are provided in the following table.

Traffic	**AC (inches)**	**CR (inches)**
Passenger Vehicle Only	2.5	6
Up to 3 Truck Per Day	3	8

The thicknesses listed in the above table are the minimum acceptable for construction during an extended period of dry weather. Increased rock thickness will be required for construction during wet conditions. Crushed rock must conform to ODOT base rock standards and have less than 6 percent passing the #200 sieve. Asphalt concrete must be level 2 or 3, ½" dense graded HMAC compacted to a minimum of 91 percent of a Rice Density.

Portland Cement Concrete - We developed PCC pavement thicknesses at the site for the assumed one-way traffic levels as shown in the table below. Each of these sections is based on AASHTO

methods with no reduction for wander and a composite modulus of subgrade reaction of 350 pci (AASHTO Figure 3.3 with M_r = 6,000 psi and 6 inches crushed rock base). Other parameters include 4,000 psi compressive strength portland cement concrete (PCC), and plain jointed concrete without load transfer devices or tied concrete shoulders. PCC pavements over trench backfill should not be placed within one week of fill installation unless survey data indicates that settlement of the backfill is complete.

Traffic	PCC (inches)	CRB (inches)
Up to 3, 3-axle Trucks Per Day	6	6

Subgrade Preparation - The pavement subgrade must be prepared in accordance with the ***Earthwork*** *and* ***Site Preparation*** recommendations presented in this report. All pavement subgrades must pass a proof roll prior to paving. Soft areas must be repaired by over-excavating the areas and installing a stabilization geosynthetic. Well graded, angular crushed rock backfill compacted as structural fill must be used to bring the aforementioned areas to-grade. For stabilization geosynthetics we recommend a Propex Geotex 801 for separation overlying a suitable punched and drawn biaxial geogrid such as a Propex Gridpro BXP12-4 (or equivalents).

Pervious Pavement Design Recommendations

General - We understand that pervious asphalt concrete pavement is being considered, although site infiltration rates are low. It should be understood that infiltration into pervious pavement requires frequent maintenance to remove surface clogging particles. As such, designing an overflow system with associated grading is recommended. Pervious pavement typically does not perform well in areas of turning, with pavement surface raveling and a "gravelly" appearance over time being common. Maintenance is critical to improving performance.

The pervious pavement subgrade and separation fabric should be prepared as recommended in the following sections. Specific material recommendations and specifications are presented in the following sections.

Design Infiltration Rate - Design infiltration rates are low and summarized earlier in this report.

Maintenance and Overflow - Pervious pavements will require frequent maintenance to maintain infiltration capacity and reduce clogging. Maintenance should include monthly cleaning with vacuuming-sweeping machines, and salting or sanding must be avoided. Infiltration rates should be expected to gradually decrease with time. We therefore recommend that pervious pavement surface areas include overflow drains that drain to the rock storage layer underlying the pavement or a suitable alternate discharge. We also recommend that the subgrade be gently sloped to such alternative discharge.

Subgrade Preparation - All disturbed material must be removed to expose undisturbed subgrade. The subgrade should be prepared in accordance with the ***Earthwork*** *and* ***Site Preparation*** recommendations presented herein. Prior to placement of fabric, the subgrade should be lightly raked to disturb the top ½" to improve infiltration. This can be suitably seated for pavement support with fabric confinement and rock compaction.

20978 S Springwater Road, Estacada, OR 97023 *503.869.8679; don@geotechsolutionsinc.com*

Subgrade Separation Geosynthetic – The geosynthetic for stabilization can also serve the purpose of separation. We recommend that a geosynthetic over the subgrade consist of a Propex Geotex 801 or equivalent.

Base Course - The base course (or storage layer) aggregate should consist of 8 inches of an open-graded, single size, angular crushed rock material with a particle size of between 1 to 2.5 inches and have less than 2 percent passing the #200 sieve (ASSHTO 1 or 2 aggregate or approved alternative). The material should be suitably compacted until dense and well-keyed. We should be contacted to evaluate compaction of the base course prior to the placement of the 'choker' course. The base course should be capped with a 'choker' course to stabilize the base course for paving.

Choker Course – The choker course should be placed directly over the base course with a minimum thickness of 2 inches. The choker course aggregate should consist of an open-graded, angular crushed rock material with a predominant particle size of approximately ½-inch and have less than 2 percent passing the #200 sieve (ASSHTO 57 aggregate or approved alternative). The material should be suitably compacted until dense and well-keyed. We should be contacted to observe the 'choker' course prior to paving.

Open Graded Asphalt Concrete - Pervious asphalt cement concrete should consist of ODOT 2015 ½" porous asphalt concrete (PAC) using an asphalt cement of 70-22ER. The pavement should be compacted until uniform and dense with the roller marks removed. Over-compaction can increase bleeding and reduce permeability.

Minimum Pavement and Base Thicknesses - At the time of this report we did not have specific information regarding the type and frequency of expected traffic. We therefore pavement thicknesses for areas exposed to occasional use by an average of three 3 to 5 axle trucks per day and an average of up to 100 autos per day (the autos only contribute about 10% to the criteria, and this traffic is accommodated by the following minimum section).

Our recommendations for minimum combined pervious asphalt concrete and base aggregate thicknesses are based on AASHTO design methods, a 20-year design life, and subgrade of medium stiff silt subgrade with a DCPI of 14.8 and correlated resilient modulus of 6000 psi. Based on the preceding assumptions, we recommend the minimum surfacing and combined base aggregate (CBA) thicknesses shown in the following table. The combined base aggregate thickness is the total thickness of the open-graded base course and the 'choker' course. The 'choker' course should have a minimum thickness of 2 inches.

Traffic	**Surfacing Thickness (inches)**	**Combined Base (inches)**
100 Autos plus three 5-axle trucks per day on ave.	Pervious Asphalt Concrete – 3"	10

The preceding thicknesses are the minimum acceptable and are suitable for fire truck support (75,000 GVW). An increased base course thickness may be required for construction during wet weather and/or to provide adequate storage for infiltration. The civil engineer must evaluate storm water volumes relative to the design subgrade infiltration rate and provide a recommended base course thickness to provide adequate storage. A porosity of 0.40 may be used for the preceding rock.

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LIMITATIONS AND OBSERVATION DURING CONSTRUCTION

We have prepared this report for use by Tillamook Estuaries Partnership and the design and construction teams for this project only. The information herein could be used for bidding or estimating purposes but must not be construed as a warranty of subsurface conditions. We have made observations only at the aforementioned locations and only to the stated depths. These observations do not reflect soil types, strata thicknesses, water levels or seepage that may exist between observations. We must be consulted to observe all foundation bearing surfaces, subgrade stabilization, proof rolling of slab and pavement subgrades, installation of structural fill, subsurface drainage, and cut and fill slopes. We must be consulted to review final design and specifications to see that our recommendations are suitably followed. If any changes are made to the anticipated locations, loads, configurations, or construction timing, our recommendations may not be applicable, and we must be consulted. The preceding recommendations must be considered preliminary, as actual soil conditions may vary. For our recommendations to be final, we must be retained to observe actual subsurface conditions encountered. Our observations will allow us to interpret actual conditions and adapt our recommendations if needed.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with the generally accepted practices in this area at the time this report was prepared. No warranty, expressed or implied, is given.

We appreciate the opportunity to work with you on this project and look forward to our continued involvement. Please call if you have any questions.

Sincerely,

Don Rondema, MS, PE, GE
Principal

Attachments –
Site Plan, Soil Classification, Test Pit Logs, CPT Log, Moisture Contents

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N

NOT TO SCALE

BASE PHOTO FROM GOOGLE EARTH 2024 AERIAL

Geotech Solutions Inc.

SITE PLAN

tep-24-1-gi

GUIDELINES FOR CLASSIFICATION OF SOIL

Description of Relative Density for Granular Soil	
Relative Density	**Standard Penetration Resistance (N-values) blows per foot**
very loose	0 - 4
loose	4 - 10
medium dense	10 - 30
dense	30 - 50
very dense	over 50

Description of Consistency for Fine-Grained (Cohesive) Soils		
Consistency	**Standard Penetration Resistance (N-values) blows per foot**	**Torvane Undrained Shear Strength, tsf**
very soft	0 - 2	less than 0.125
soft	2 - 4	0.125 - 0.25
medium stiff	4 - 8	0.25 - 0.50
stiff	8 - 15	0.50 - 1.0
very stiff	15 - 30	1.0 - 2.0
hard	over 30	over 2.0

Grain-Size Classification	
Description	**Size**
Boulders	12 - 36 in.
Cobbles	3 - 12 in.
Gravel	¼ - ¾ in. (fine)
	¾ - 3 in. (coarse)
Sand	No. 200 - No. 40 Sieve (fine)
	No. 40 - No. 10 sieve (medium)
	No. 10 - No. 4 sieve (coarse)
Silt/Clay	Pass No. 200 sieve

Modifier for Subclassification	
Adjective	**Percentage of Other Material In Total Sample**
Clean/Occasional	0 - 2
Trace	2 - 10
Some	10 - 30
Sandy, Silty, Clayey, etc.	30 - 50

Test Pit #	Depth (ft)	Soil Description

Explorations completed on December 6, 2024 with a rubber tracked excavator.

TP-1	surface	grass in N side parking area. relatively flat
	0 - 1.9	Soft, dark brown to black, rooty, organic SILT; moist. (topsoil)
	1.9 - 5.0	Medium stiff, orange mottled yellowish-brown, SILT with trace to some clay; moist. 5 ft becomes wet.
	5.0 - 6.5	Very stiff, orange stained, yellowish brown CEMENTED SILT with trace clay and trace sand; wet.
	6.5 - 10	Soft, mottled orange, light gray clayey SILT; wet.
	10 - 11	Very stiff, mottled orange, light gray cemented clayey SILT; wet.

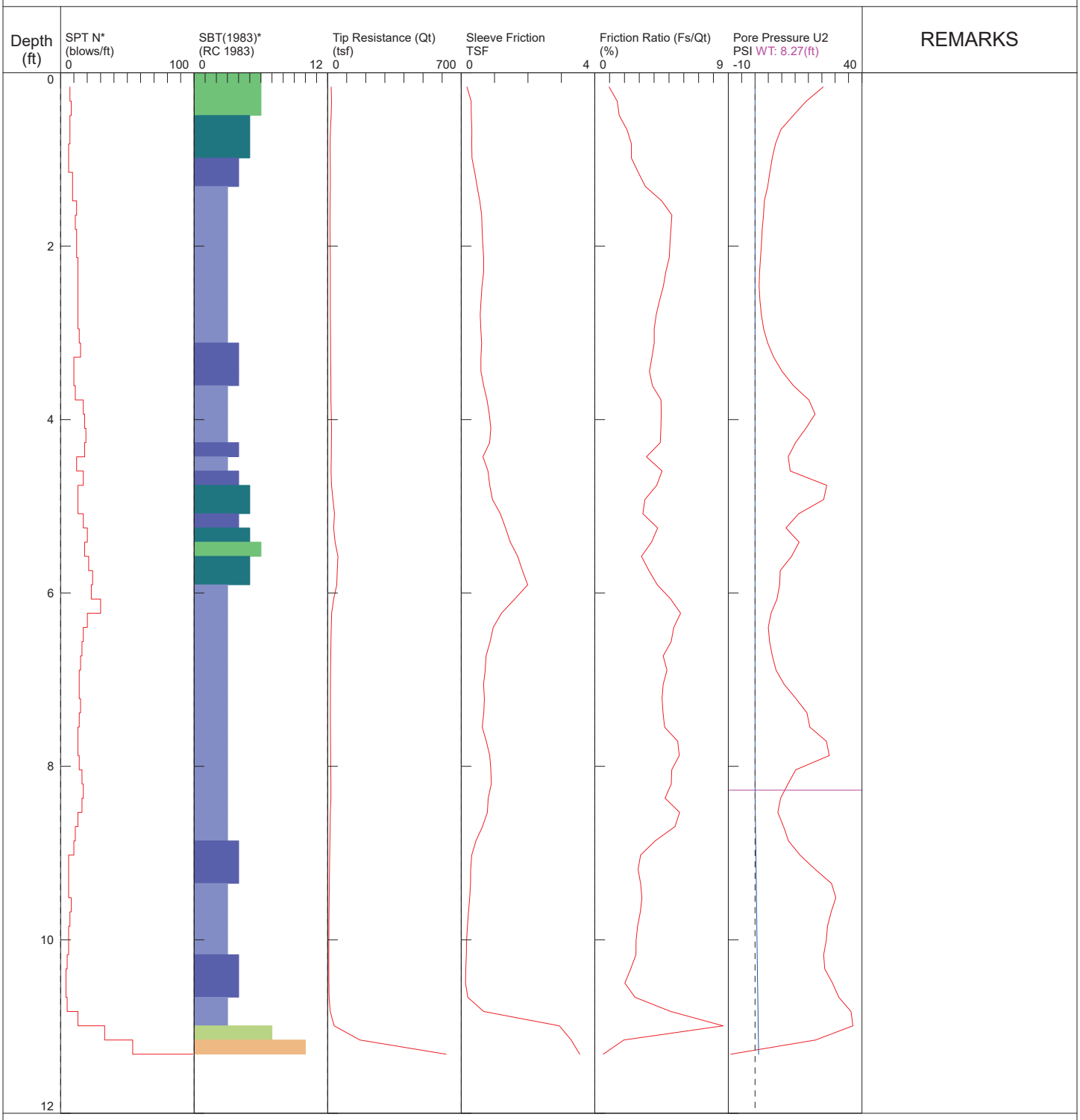
Slow seepage below 5 feet. Moderate caving above 5 feet. Backfilled and tamped every 2-3 ft.

TP-2	surface	grass near S side of proposed building. relatively flat
	0 – 2.3	Very soft, dark brown to black, rooty, organic SILT; moist. (topsoil)
	2.3 - 5.5	Medium stiff, orange mottled yellowish-brown, SILT with trace to some clay; moist. 5 ft becomes wet.
	5.5 - 6.0	Very stiff, orange stained, yellowish brown CEMENTED SILT with trace clay and trace sand; wet.
	6 - 10.5	Soft, mottled orange, light gray clayey SILT; wet.
	10.5 - 11	Very stiff, mottled orange, light gray cemented clayey SILT; wet.

Slow seepage below 5 feet. Moderate caving above 5 feet. Backfilled and tamped every 2-3 ft.

Geotech Solutions / CPT-1 / 7855 Warren St Bay City

OPERATOR: OGE DMM
TEST DATE: 12/2/2024 8:28:06 AM
CONE ID: DDG1296
TOTAL DEPTH: 11.319 ft
HOLE NUMBER: CPT-1

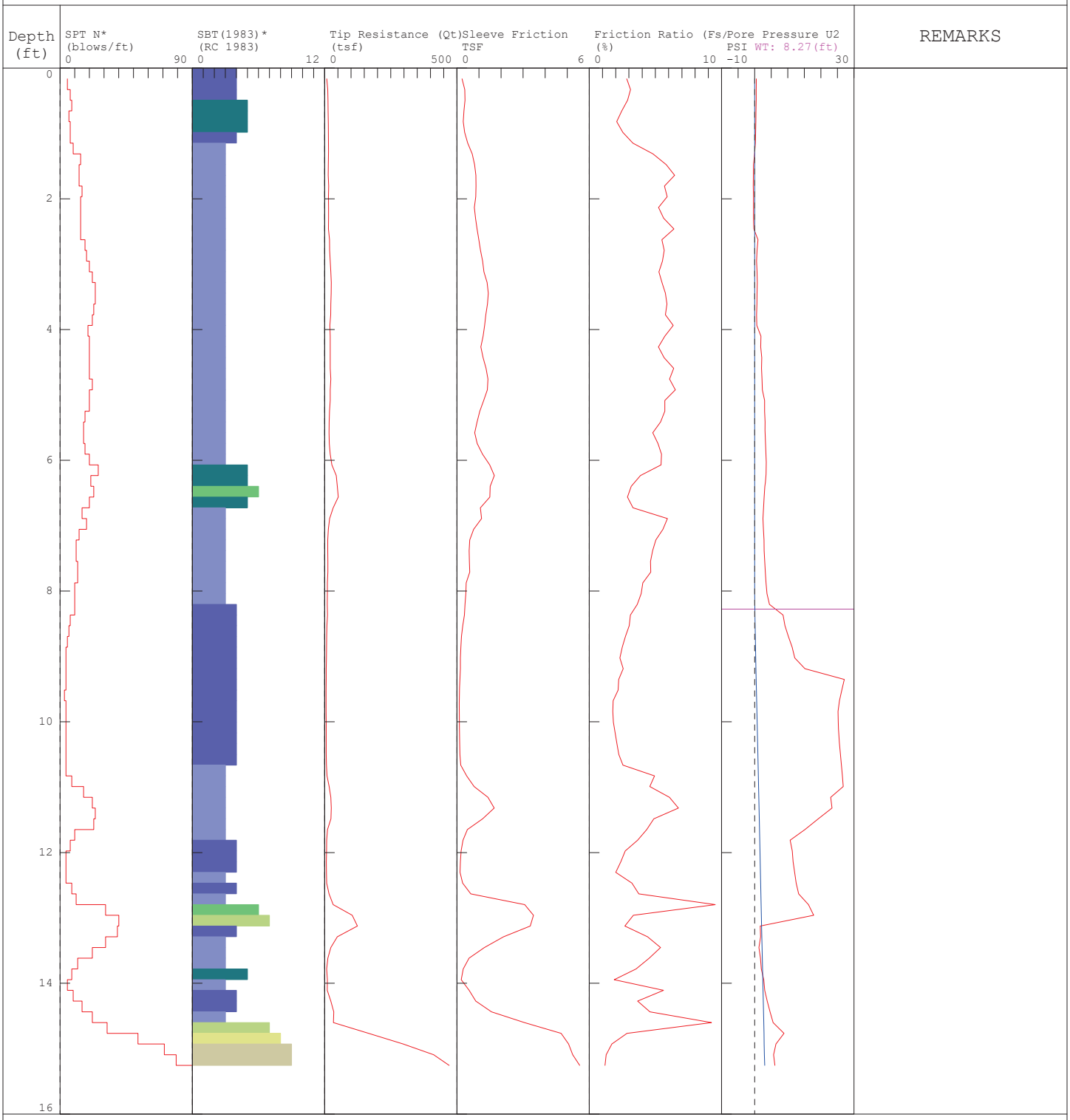


1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty clay
6 sandy silt to clayey silt
7 silty sand to sandy silt
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*SBT/SPT CORRELATION: UBC-1983

Geotech Solutions / CPT-2 / 7855 Warren St Bay City

OPERATOR: OGE DMM
TEST DATE: 12/2/2024 8:56:14 AM
CONE ID: DDG1296
TOTAL DEPTH: 15.256 ft
HOLE NUMBER: CPT-2



1 sensitive fine grained
2 organic material
3 clay
4 silty clay to clay
5 clayey silt to silty cl
6 sandy silt to clayey si
7 silty sand to sandy si
8 sand to silty sand
9 sand
10 gravelly sand to sand
11 very stiff fine grained (*)
12 sand to clayey sand (*)

*SBT/SPT CORRELATION: UBC-1983

Exploration	Depth, ft	Moisture Content
TP-1	1.0	53%
TP-1	3.0	32%
TP-1	7.0	33%
TP-1	11.0	49%
TP-2	5.5	47%

Asbestos Inspection Report

Address of Property Inspected: 7855 Warren St., Bay City, OR

Client's Name: Tillamook Estuaries Partnership 503-703-5348

Inspection Date: December 10th, 2024

Inspector Name: Kim Morris 503-457-8922

SITE DESCRIPTION

1987 Sylvan double wide three bedroom and two bath manufactured home with wood framed carport and pressure treated decks. Exterior building materials for manufactured home, metal roof , metal siding, vinyl windows and doors and fiberglass corrugated panel. Interior building materials include drywall ceiling panels, pink fiberglass insulation, drywall system, multiple laminate counter tops, wood cabinets, vinyl floorings, brick and carpet.

PURPOSE AND SCOPE

The purpose of this inspection is to identify all asbestos containing materials and presumed asbestos containing materials interiors and exteriors prior to demolition and or practice burn. This survey is intended to satisfy OR OSHA hazard communication requirements and OR DEQ requirements to perform an asbestos inspection prior to demolition activities under OAR 340-248-0270. At the time of this report Bay City Fire Department is scheduled to perform a practice burn.

ASSESSMENT ACTIVITIES

Visual inspection of structures interiors and exteriors that will be affected by the demolition was conducted by Morris Inspections, LLC. Based on year the structure was originally built, textures, colors, and usage, homogeneous areas were identified and samples were collected according to type of material.

	No Asbestos Containing Materials	

Sampled materials were identified and performed using sampling protocols adopted from AHERA and modified to meet Oregon DEQ asbestos survey and report requirements found in OAR 340-248-0270. All samples were identified as miscellaneous building materials. All materials sampled are listed on the material table included in this report.

RECORD DOCUMENT REVIEW

Morris Inspections received an original build date of the manufactured home of 1987. Currently the site is abandoned. Past use as a single family residence. Morris Inspections LLC was not provided any other drawings, floor plans, maintenance records, previous survey reports, laboratory reports or other documents for information regarding construction history and building materials.

VISUAL INSPECTION

Morris Inspections accessed exteriors, interiors, space, and rooms and/or areas of the subject site to identify suspect homogeneous areas of ACM(asbestos containing materials). Suspect ACM was categorized into homogeneous areas based on color, texture, appearance, and use. Each homogeneous area was given a unique material description.

SAMPLING AND ANALYSIS

Samples were collected by thoroughly wetting down area with a surfactant and cutting through all layers of the material down to the base substrate. Tools were cleaned and gloves changed between each sample to prevent any cross contamination. Sample bags were sealed and labeled with unique sample Ids. Clean up of all sampled areas was then promptly completed. Samples and chain of custody form were submitted to and performed by JSE Labs a NVLAP certified laboratory that maintains passing status in a nationally recognized bulk sample asbestos proficiency testing program OAR 340-248-0270(3)(c). Morris Inspections, LLC endeavors to locate all suspect asbestos containing materials that may be affected by demolition activities; however suspect asbestos containing materials may be present and concealed within walls and or floor spaces. If suspect materials are uncovered during demolition activities that are not identified in this report, testing should be performed prior to impact.

CONCLUSIONS

Morris Inspections has performed an asbestos survey of the subject site. The EPA, DEQ and OSHA all define an asbestos containing material as having greater than one percent asbestos. Based on the results of this assessment and the analysis of samples submitted to JSE Labs, there is no asbestos containing materials in the manufactured home at this site. This report applies only to the

specific subject property, location and area(s) detailed in this report. While areas specified by the customer were surveyed and materials sampled, areas behind walls and/or covered by structural members or materials requiring more destructive means to access which could not be found with reasonable diligence were not sampled during the survey. There can be hidden cavities that were not surveyed. Any areas not specified to be surveyed cannot be assumed to be free of asbestos as no survey was performed to determine the presence of asbestos containing materials in those areas.

RECOMMENDATIONS

According to DEQ guidelines concerning Asbestos Inspection reports, the inspector is required to make a recommendation(s) and/or action(s) concerning the results of this inspection. Morris Inspections, LLC recommends demolition of this building on this site. A copy of the complete asbestos inspection report must be kept onsite at the building site during all demolition and practice burn activity, including during any asbestos abatement project. DEQ can request a copy of the asbestos inspection report and a complete copy of the asbestos inspection report must be provided. OAR 340-248-0270(2)

Material Table for 7855 Warren St., Bay City, OR

Sample	Location	Size of material	Material & material type	Asbestos %	Condition
Tan&white square& diamond pattern vinyl	Master Bathroom	120 square feet approximately	Creme vinyl w/foam-miscellaneous	**None detected**	Good/ friable
Gold square pattern vinyl	Hall Bathroom	20 square feet approximately	White/tan vinyl -miscellaneous	**None detected**	Poor/friable
Gold square pattern vinyl	Hall Bathroom	20 square feet approximately	Gray/tan felt -miscellaneous	**None detected**	Poor/frialbe
Faux step stone pattern vinyl	Entry way front door	16 square feet approximately total	Black vinyl w/foam-miscellaneous	**None detected**	Poor/friable
Faux step stone pattern vinyl	Entry way front door	16 square feet approximately total	Tan felt -miscellaneous	**None detected**	Poor/ friable
White & gold laminate countertop	Master bathroom	50 square feet approximately	Pale pink formica resin sheet-miscellaneous	**None detected**	Good /friable
White & gold laminaate countertop	Master bathroom	50 square feet approximately	Red pink mastic-miscellaneous	**None detected**	Good/ friable
Faux wood pattern laminate countertop	Kitchen	30 square feet approximately	Brown faux wood formica resin sheet-miscellaneous	**None detected**	Good/ friable
Faux wood pattern laminate countertop	Kitchen	30 square feet approximately	Pink/red mastic-miscellaneous	**None detected**	Good/friable
Black laminate countertop	Kitchen	15 square feet approximately	Black formica resin sheet-miscellaneous	**None detected**	Good/friable
Black laminate counterrop	Kitchen	15 square feet approximately	Brown mastic-miscellaneous	**None detected**	Good/friable
Drywall system	Throughout living spaces	1000 square feet approximately	Pale blue paint w/compound-miscellaneous	**None detected**	Fair/friable
Drywall system	Throughout living spaces	1000 square feet approximately	Brown paper w/gypsum-miscellaneous	**None detected**	Fair/friable
Ceiling	All rooms	800 square feet approximately	White paint w/compound-miscellaneous	**None detected**	Good/friable
Ceiling	All rooms	800 square feet approximately	Brown paper w/gypsum	**None detected**	Good/friable

Jones Stohosky Environmental Laboratory, Inc.
CHAIN OF CUSTODY

Step 1: Select a location to submit samples. Use Milwaukie address if mailing samples.

East Side - Milwaukie Lab & Office
3315 SE Harrison St.
Milwaukie, OR 97222
Phone: (503) 659-8338

West Side - Tigard Lab & Office
15695 SW 74th Ave, Suite 350
Tigard, OR 97224
Phone: (971) 266-7545

Website: www.jselabs.com

Step 2: Complete the contact information. This will ensure you receive your results ASAP.

Company/Client Name: Morris Inspections Contact Name: Kim Morris
Reporting Email: morrisinspections1962@gmail.com Phone: 503 457 8922
Accounting Email: " Mailing Address: po box 248 Tillamook OR 97141

Step 3: Complete the project information how you would like it to appear on your report.

Project Name: 7855 Warren Project #:
Location/Address: Invoice PO #:

Step 4: Select a turnaround time (TAT).

Express Rush (EX)	Rush (R)	1 Day	2 Day	3 Day
< 2 Hours PLM < 3 Hours Pb	Same Day	Next Business Day	2 Business Days	3 Business Days

Step 5: Select an analysis type. Contact JSE Labs for other testing services offered.

Asbestos Bulk (PLM)	Asbestos Air (PCM)	Lead (Pb)

Step 6: List and describe samples. List analysis type and turnaround time (TAT).

#	Sample Description	Analysis Type	TAT	A/R	Batch #: 24268 JSE Lab ID
01	tan/wht sq+diam vin-A-tan/white square+diamond	PLM	3	A	AB-132266
02	" B- " pattern vinyl			A	AB-132267
03	gold sq vin A- gold square pattern vinyl			A	AB-132268
04	" B- " " "			A	AB-132269
05	faux step st vin A- faux step stone pattern vinyl			A	AB-132270
06	" B- " " "			A	AB-132271
07	wht/gold lam A- white/gold laminate countertop			A	AB-132272
08	" B- " " "			A	AB-132273
09	faux wd lam A- faux wood pattern laminate countertop			A	AB-132274
10	" B- " " "			A	AB-132275

Special/Other Instructions:

Step 7: By signing below you are agreeing to JSE Lab's Terms and Conditions (see reverse side).

Signature: Kim Morris Date/Time: 12/12/24 @ 7am

Lab Use Only:

Received by: Mackenzie S. Date/Time: 12.23.24 @ 8am Class: Mil / Tig
AH Drop / Walk In / Courier / USPS / FedEx / UPS Confirm Email: ✓ Account <60: Y / N COF
R/I #:
Results: Email / Call / Mail Initials: Date:
Lock: ✓ 12/30/24 Snap: ✓ 12/30/24 Client #: 20012 A Due: Monday 12.30

*Quant. Disc B1

Jones Stohosky Environmental Laboratory, Inc.
CHAIN OF CUSTODY

Step 1: Select a location to submit samples. Use Milwaukie address if mailing samples.

East Side - Milwaukie Lab & Office
3315 SE Harrison St.
Milwaukie, OR 97222
Phone: (503) 659-8338

West Side - Tigard Lab & Office
15695 SW 74th Ave, Suite 350
Tigard, OR 97224
Phone: (971) 266-7545

Website: www.jselabs.com

Step 2: Complete the contact information. This will ensure you receive your results ASAP.

Company/Client Name: Morris Inspections Contact Name: Kim Morris
Reporting Email: morrisinspections1962@gmail.com Phone: 503 457 8922
Accounting Email: " Mailing Address: po box 248 Tillamook OR 97141

Step 3: Complete the project information how you would like it to appear on your report.

Project Name: 7855 Warren Project #:
Location/Address: " Invoice PO #:

Step 4: Select a turnaround time (TAT).

Express Rush (EX)	Rush (R)	1 Day	2 Day	3 Day
< 2 Hours PLM < 3 Hours Pb	Same Day	Next Business Day	2 Business Days	3 Business Days

Step 5: Select an analysis type. Contact JSE Labs for other testing services offered.

Asbestos Bulk (PLM)	Asbestos Air (PCM)	Lead (Pb)

Step 6: List and describe samples. List analysis type and turnaround time (TAT).

#	Sample Description	Analysis Type	TAT	A/R	Batch #: 14268 JSE Lab ID
01	blklamA- black laminate countertop	PLM	3	A	AB-132276
02	" B- " "			A	AB-132277
03	drywsysA- drywall system			A	AB-132278
04	" B- " "			A	AB-132279
05	ceilA- ceiling material			A	AB-132280
06	" B- " "			A	AB-132281
07					
08					
09					
10					

Special/Other Instructions:

Step 7: By signing below you are agreeing to JSE Lab's Terms and Conditions (see reverse side).

Signature: Kim Morris Date/Time: 12/12/24 @ 7am

Lab Use Only:

Received by:	Date/Time:	Class: Mil / Tig	
AH Drop / Walk In / Courier / USPS / FedEx / UPS	Confirm Email:	Account <60: Y / N	
		R/I #:	
Results: Email / Call / Mail Initials: Date:	Client #:	Due: Monday 12.30	
Lock: 12/30/24 Snap: 12/30/24			

Jones Stohosky Environmental Laboratory, Inc.
3315 SE Harrison Street, Milwaukie, Oregon 97222
Phone: (503) 659-8338 www.jselabs.com

NVLAP LAB CODE 200872-0

Asbestos Analysis of Bulk Materials by Polarized Light Microscopy

Client: Morris Inspections LLC **Client #:** 20012 **Report Date:** 12/30/2024
Project #: **Invoice PO:** **Batch #:** 74268
Project Name: 7855 Warren

Sample	Layer	Description	Binder/Matrix	Non-Asbestos Components		Asbestos Type %
Tan/White Square Diamond Pattern Vinyl A - Tan/White Square Diamond Pattern Vinyl Lab ID #: AB-132266						
	1	Crème vinyl w/ foam	Vinyl Foam			None Detected
Sample ashed for quality assurance.						
Tan/White Square Diamond Pattern Vinyl B - Tan/White Square Diamond Pattern Vinyl Lab ID #: AB-132267						
	1	Crème vinyl w/ foam	Vinyl Foam			None Detected
Sample ashed for quality assurance.						
Gold Square Vinyl A - Gold Square Vinyl Lab ID #: AB-132268						
	1	White/tan vinyl	Vinyl Aggregate			None Detected
	2	Gray/tan felt	Binders Filler	Fibrous Glass Cellulose	2% 10%	None Detected
Subsamples ashed for quality assurance.						
Gold Square Vinyl B - Gold Square Vinyl Lab ID #: AB-132269						
	1	White/tan vinyl	Vinyl Aggregate			None Detected
	2	Gray/tan felt	Binders Filler	Fibrous Glass Cellulose	2% 10%	None Detected
Subsamples ashed for quality assurance.						
Faux Step Stone Pattern Vinyl A - Faux Step Stone Pattern Vinyl Lab ID #: AB-132270						
	1	Black vinyl w/ foam	Vinyl Foam			None Detected
	2	Tan felt	Binders Filler	Fibrous Glass Cellulose	3% 10%	None Detected
Subsamples ashed for quality assurance.						
Faux Step Stone Pattern Vinyl B - Faux Step Stone Pattern Vinyl Lab ID #: AB-132271						
	1	Black vinyl w/ foam	Vinyl Foam			None Detected
	2	Tan felt	Binders Filler	Fibrous Glass Cellulose	3% 10%	None Detected
Subsamples ashed for quality assurance.						

White/Gold Laminate A - White/Gold Laminate Countertop Lab ID #: AB-132272						
	1	Pale pink formica resin sheet	Plastic Polyethelyne			None Detected
	2	Red/pink mastic	Mastic/glue Binders			None Detected
Subsamples ashed for quality assurance.						
White/Gold Laminate B - White/Gold Laminate Countertop Lab ID #: AB-132273						
	1	Pale pink formica resin sheet	Plastic Polyethelyne			None Detected
	2	Red/pink mastic	Mastic/glue Binders			None Detected
Subsamples ashed for quality assurance.						
Faux Wood Laminate A - Faux Wood Laminate Countertop Lab ID #: AB-132274						
	1	Brown faux wood formica resin sheet	Plastic Polyethelyne			None Detected
	2	Red/pink mastic	Mastic/glue Binders			None Detected
Subsamples ashed for quality assurance.						
Faux Wood Laminate B - Faux Wood Laminate Countertop Lab ID #: AB-132275						
	1	Brown faux wood formica resin sheet	Plastic Polyethelyne			None Detected
	2	Red/pink mastic	Mastic/glue Binders			None Detected
Subsamples ashed for quality assurance.						
Black Laminate A - Black Laminate Countertop Lab ID #: AB-132276						
	1	Black formica resin sheet	Plastic Polyethelyne			None Detected
	2	Brown mastic w/ wood	Mastic/glue Wood	Cellulose	65%	None Detected
Subsamples ashed for quality assurance.						
Black Laminate B - Black Laminate Countertop Lab ID #: AB-132277						
	1	Black formica resin sheet w/ brown mastic residue	Plastic Polyethelyne			None Detected
Sample ashed for quality assurance.						
Drywall System A - Drywall System Lab ID #: AB-132278						
	1	Pale blue paint w/ compound	Paint Acid soluble			None Detected
	2	Brown paper w/ gypsum	Paper Gypsum	Fibrous Glass Cellulose	1% 25%	None Detected
Subsamples ashed for quality assurance. Paint not separable from texture and included in analysis results.						

Drywall System B - Drywall System Lab ID #: AB-132279						
	1	Pink paint w/ compound & patterned wallpaper	Paint Acid soluble			None Detected
	2	Brown paper w/ gypsum	Paper Gypsum	Fibrous Glass Cellulose	1% 25%	None Detected
Subsamples ashed for quality assurance. Paint not separable from texture and included in analysis results.						
Ceiling A - Ceiling Material Lab ID #: AB-132280						
	1	White paint w/ compound	Paint Acid soluble			None Detected
	2	Brown paper w/ gypsum	Paper Gypsum	Fibrous Glass Cellulose	1% 25%	None Detected
Subsamples ashed for quality assurance. Paint not separable from texture and included in analysis results.						
Ceiling B - Ceiling Material Lab ID #: AB-132281						
	1	Pale blue paint w/ compound	Paint Acid soluble			None Detected
	2	Brown paper w/ gypsum	Paper Gypsum	Fibrous Glass Cellulose	1% 25%	None Detected
Subsamples ashed for quality assurance. Paint not separable from texture and included in analysis results.						

Analyst Name: Christopher Maldonado **Date:** 12/30/2024

Approved Signatory: Christopher Maldonado

JSE is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis by EPA-600/M4-82-020 and EPA/600/R-93/116 methods for polarized light microscopy (PLM). These analysis results apply to the sample(s) as received. Asbestos content for an inhomogeneous sample is reported by layer when it is possible to subsample the discrete strata for individual analysis. Small diameter fibers may not be detected by this method. Information supplied by the customer does not affect the validity of PLM results obtained by the EPA 600/R-93/116 method. Customers will be informed (in comments section) if specific environmental or test conditions affect the interpretation of test results. All analysis results conform to the EPA 600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials. Quantification is performed using visual area estimation unless otherwise stated in the report. Qualitative and quantitative transmission electron microscopy (TEM) analysis may be recommended for difficult samples. Quantitative analysis by PLM point count or TEM is recommended for sample(s) testing at < or = to 10% asbestos. Uncertainty values are as follows: Trace–<5.0%: ±250%; 5.0–39 <10%: ±150%; 10–<30%: ±100%; 30–<60%: ±50%; 60–100%: ±25%. Asbestos includes the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite. "Matrix" is defined as non-asbestos, non-binder fibrous and non-fibrous components. "Binder" is defined as a component added for cohesiveness. Non-asbestos sample constituents may not be definite. This report may not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. If the NVLAP logo does not appear on this report then "This report contains data not covered by the NVLAP accreditation." (NIST Handbook 150, 2006) Amended reports supersede all previous reports.

THIS IS TO CERTIFY THAT

KIM MORRIS

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ONLINE AHERA ASBESTOS INSPECTOR REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 02/01/2024

Course Location: Online

Certificate: IRO-24-4137B

CCB #SRA0615 4-Hr Training

4-Hour Online AHERA Inspector Refresher Training; AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

Expiration Date: 02/01/2025

For verification of the authenticity of this certificate contact:
PBS Engineering and Environmental Inc.
4412 S Corbett Avenue
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