



PO Box 2546, Bellingham, WA 98227
Phone: (360) 714-9409

August 21, 2024

Mallory Bello
Whidbey Camano Land Trust
765 Wonn Road, C201
Greenbank, Washington 98253

Re: Report
Environmental Site Assessment: Phase I
Sherman Property
738 Livingston Bay Shore Drive
Island County Parcel R33229-453-4210
Camano, Washington 98282

Dear Whidbey Camano Land Trust:

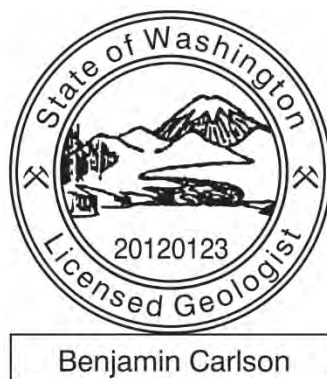
Stratum Group is pleased to present the results of our Phase I Environmental Site Assessment for the above referenced property in Camano, Washington. This Phase I Assessment was conducted in conformance with the Federal Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and in general conformance with the methodology of ASTM Standard Practice E 1527-21.

The subject property consists of 15.7 acres of mostly undeveloped vegetated land and farm fields. Based on our site visit, historical research and evaluation of potential off-site risks, it is reasonable and prudent to believe that the risk of contamination at the site is so minimal that no further investigation is warranted.

Should you have any questions concerning this Environmental Site Assessment, please do not hesitate to contact us at (360) 714-9409.

Sincerely,
Stratum Group

Ben Carlson, M.Sc., L.G.
Licensed Geologist





**ENVIRONMENTAL SITE
ASSESSMENT:
PHASE I**

Sherman Property
738 Livingston Bay Shore Drive
Island County Parcel R33229-453-4210
Camano, Washington 98282

Prepared For:

Whidbey Camano Land Trust

By:



PO Box 2546
Bellingham, WA 98227
(360) 714-9409

August 21, 2024

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SECTION 1. EXECUTIVE SUMMARY

Stratum Group conducted a Phase I Environmental Site Assessment for the Sherman Property at 738 Livingston Bay Shore Drive in Camano, Washington (subject property). The environmental assessment process included a site visit, a historical investigation, review of environmental databases, and interviews to determine the risk of contamination to the soil, groundwater and/or vapor intrusion at the site.

The subject property consists of approximately 15.7 acres of mostly undeveloped vegetated land. Fallow farm fields cover the north and central portions of the property while mixed natural vegetation covers the south end of the property. Two storage structures associated with the adjacent residence are present in the southeast corner of the subject property, which are used to park a vehicle and to store gardening supplies. No hazardous substances and no obvious indications of contamination were observed. No evidence of underground storage tanks (USTs) was observed on the property. No recognized environmental conditions were identified in connection with the current uses of the subject property.

Our historical investigation indicates that the property has been mostly undeveloped and vegetated since the early 1900s. A house was present on the south end of the property by 1911 but was removed by 1941. The existing storage structures were built to the southeast in the mid-2000s. The north and central portions of the property have been used at least intermittently as farm fields since the 1940s. No recognized environmental conditions were identified in connection with the historical uses of the subject property. However, based on the long history of commercial agriculture on the subject property, there is potential for long-term application of pesticides and/or herbicides to have taken place that could have accumulated on the property over time. It is our understanding that the property is being purchased for conservation purposes and not for future redevelopment potential. Therefore, it is our opinion that the potential risk posed by historical pesticide/herbicide application is low. However, if future land use changed to include regular exposure to particularly vulnerable populations (e.g., schools, daycare, etc.), additional investigation may be warranted to determine whether pesticides and/or herbicides are present on the site at potentially hazardous concentrations.

No potential off-site sources of environmental contamination were identified in either an ERIS database report or our independent review that pose an elevated environmental risk to the subject property.

Based upon our site visit, historical review and evaluation of potential off-site contamination sources, it is our opinion that it is reasonable and prudent to believe that the environmental risk at the site is minimal and therefore no further investigation is warranted.



SECTION 2. INTRODUCTION

2.1 Methodology & Purpose

This Phase I Environmental Site Assessment is being completed prior to a potential property transfer. The purpose of this assessment is to identify, to the extent feasible pursuant to the processes prescribed within the Federal Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and ASTM Standard Practice E1527-21, recognized environmental conditions in connection with the subject property. A recognized environmental condition (REC) is defined as (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions. A de minimis condition is defined as a condition that generally does not pose 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 government agencies.

This report will also address controlled recognized environmental conditions (CRECs) and historical recognized environmental conditions (HRECs), if identified in association with the site. A CREC is defined as a REC that has been addressed to the satisfaction of the applicable regulatory authorities with contamination allowed to remain in place subject to implementation of required controls. An HREC is defined as previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authorities without subjecting the subject property to any controls.

A phase I report that conducts all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practices permits the user of the report to satisfy one of the requirements to qualify for landowner liability protections including innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on liability within the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) laws.

Environmental issues or conditions at a property may be present that are beyond the scope of a typical phase I environmental site assessment, but which could under some conditions lead to contamination or future financial burden and may warrant further research or investigation beyond the phase I report. An example of non-scope considerations include business related environmental risk, asbestos-containing building materials, biological agents, cultural and historical resources, ecological resources, endangered species, health and safety, indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment, industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance, and wetlands. Non-scope considerations are generally not addressed in



this phase I report; however, our findings will be identified if significant conditions are discovered during the conduct of our evaluation.

The scope of our services included:

- Inspection of the property for indication of hazardous substances, petroleum products, stained soil, stressed vegetation, or careless manufacturing or industrial practices
- Document the hazardous materials storage and waste management practices and the condition of materials
- Review of Federal, State, and local records as to locations of nearby hazardous waste sites, leaking underground storage tanks (USTs), and landfills through an ERIS database report. Off-site sources were evaluated for their potential to pose a risk to the subject property
- Review of aerial photographs, topographic maps, fire insurance maps, city directories, and other available public records to determine past usage of the property and surrounding areas
- Interview(s) of current and former subject property owners, occupants, and/or managers
- Completion of an environmental questionnaire by subject property owner
- Review of the physical setting, geology, and hydrology of the site
- Preparation of this report describing the conditions encountered and recommendations for further study, if necessary.

2.2 Professional Statement

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 C.F.R. §312.10 [Federal All Appropriate Inquiries]. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Resumes for key personnel that conducted this environmental due diligence report are provided in Appendix IV.

2.3 Limitations

No environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a subject property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a subject property, and this practice recognizes reasonable limits of time and cost.

All appropriate inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the



competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information.

Not every property will warrant the same level of assessment. Consistent with good commercial and customary standards and practices as defined at 42 U.S.C. § 9601(35)(B), the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, future intended uses of the subject property disclosed to the environmental professional, and the information developed in the course of the inquiry.

It should not be concluded or assumed that an inquiry did not constitute All Appropriate Inquiries merely because the inquiry did not identify recognized environmental conditions in connection with a subject property. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent environmental site assessments should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors.

The environmental site assessment is based upon conditions at the time of completion of the individual environmental site assessment elements.

2.4 Data Gaps

No data gaps were encountered during the conduct of this Phase I Environmental Site Assessment except:

1. No former owners were able to be contacted for interviews.

Our review of historical documents and interviews with the current owner of 8 years provided a good history of subject property use. It is our opinion that this limiting condition does not represent a significant data gap that affects our ability to identify RECs associated with the subject property.

SECTION 3. SITE LOCATION & PHYSICAL CHARACTERISTICS

3.1 Location

The subject property is located in unincorporated Island County, Washington, in the northeast portion of Camano Island. The property is located south of State Route 532 and west of the terminus of Livingston Bay Shore Drive. The property utilizes the street address 738 Livingston Bay Shore Drive.

The location of the subject property is provided in a site and vicinity map in Figure I in



Appendix I.

3.2 Site Physical Setting

The subject property consists of one tax parcel covering approximately 15.7 acres of undeveloped farmland. The property is located on very gently sloping land at between 5 and 15 feet above mean sea level.

The property is surrounded by a mix of single-family residential properties, undeveloped agricultural fields, and Livingston Bay.

An annotated aerial photograph of the subject property and immediate vicinity is provided in Figure 2 in Appendix I.

3.3 Geologic Setting

The following description of the surficial deposits in the vicinity of the subject property was interpreted from the Washington State Department of Natural Resources Geologic Information Portal (<https://geologyportal.dnr.wa.gov>) 1:24,000 geologic mapping.

The subject property is mapped as being underlain by Quaternary bog and marsh deposits (Qm). This unit is described as mostly soft to stiff silt and silty clay with common lenses of peat and other organic material deposited in a saltwater or brackish, low-energy environment.

The southernmost portion of the property fronting Livingston Bay is mapped as Quaternary beach deposits (Qb), consisting primarily of sand and cobble gravel.

Material from both geologic units mapped on the subject property are expected to be loose and possess moderate to high permeability.

3.4 Hydrologic Setting

Human-dug drainage dikes are present throughout the farmed portions of the property, which discharge into Livingston Bay via a dam on the adjoining property to the west. Waters of Livingston Bay also bound the subject property to the south.

Shallow groundwater flow is generally a function of area topography and proximity to surface water features. The subject property is located in an area of topography that slopes very gently to the south toward Livingston Bay. Based on area topography, shallow groundwater on the subject property is expected to flow south. However, such flow is likely tidally influenced and may reverse direction depending upon water levels in Livingston Bay.

Our review of Department of Ecology well logs indicates that groundwater in the vicinity of the subject property is generally located at or within approximately 10 feet of the ground surface and



is likely tidally influenced due to the proximity to Livingston Bay.

SECTION 4. SITE OBSERVATIONS

A representative of Stratum Group, Ben Carlson, conducted a site visit to the subject property on August 20, 2024. Site photographs are provided in Figures 3 through 12 in Appendix I.

The subject property is entirely undeveloped and covered in a mix of farmland, coastal shrubland, and the shoreline of Livingston Bay.

A summary of our on-site observations as prescribed in Section 9 of the ASTM Standard Practice E1527-21, including any recognized environmental conditions (RECs), is provided in Table 1. A detailed discussion of our interior and exterior observations is provided below, as needed.

TABLE 1
Summary of Site Observations

Observation	Yes	No	Comments	REC?
Structures/Interior				
Heat source?		X		
Public water?		X		
Public sewer connection?		X		
Stains/Corrosion?		X		
Floor drains/sumps		X		
Electrical equipment? (PCBs)		X		
Hazardous containers? (i.e., drums, above ground tanks)		X	Small containers of gardening chemicals/sprays.	No
Underground equipment? (i.e., hoists, USTs, pits)		X		
Odors?		X		
Evidence of hazardous substance releases?		X		
Exterior				
Hazardous containers? (i.e., drums, above ground tanks, batteries)		X		
Evidence of underground tanks/equipment?		X		
Solid waste/debris dumping?		X		
Fill soils?		X		
Stained soils?		X		
Stressed vegetation?		X		
Odors?		X		



TABLE 1
Summary of Site Observations (continued)

Observation	Yes	No	Comments	REC?
Pits/Ponds/Lagoons?		X		
Electrical equipment (PCBs)?		X		
Stormwater management? (i.e., oil-water separators, filtration, ponds, underground detention, ditches, drains)		X		
Wastewater management? (i.e., wash racks, mop water disposal, process water not entering sanitary sewer)		X		
Septic system?		X		
Evidence of hazardous substance releases?		X		

4.1 Interior Conditions Discussion

Two small structures are present in the southeast corner of the property. The structures are not connected to any utilities or heat sources.

A sheet metal detached garage is built on a solid concrete slab foundation. The garage was locked at the time of our site visit, so we were unable to view the interior. However, it is used for general storage by the occupants of the adjacent house. A wood-framed shed is located south of the garage and is used to store gardening supplies and tools. Potentially hazardous substances observed were limited to small, retail-sized containers of weed killers.

No other structures were present on the subject property at the time of our site visit.

4.2 Exterior Conditions Discussion

The south end of the property consists of a mix of grassy fields and shrub vegetation. A pile of yard waste and compost was present near the garage to the southeast. A table in the middle of the south field contained boxes of clay pigeons, suggesting the owners previously used the site for recreational shooting. A mostly bare spot in the grass near the central-west portion of the south field suggested the location of a possible former structure. No evidence of the structure besides the bare spot was observed.

The central and northern portions of the property are fallow agricultural fields. Evidence of former row crop cultivation was visible. An irrigation and drainage ditch runs across the north field, eventually connecting to a system of ditches to the west.

No potentially hazardous substances were observed being stored, used, or disposed of on the property. We observed no evidence of underground tanks or other equipment, no improper dumping or disposal activities, and no obvious indications of contamination on the subject



property.

4.3 Adjoining Properties

Three single-family residential properties bound the subject property to the north. Undeveloped farmland, forest, and two single-family residences bound the subject property to the east. Livingston Bay bounds the property to the south. Undeveloped farmland bounds the property to the west.

SECTION 5. HISTORICAL USE OF SITE & ADJOINING PROPERTIES

Topographic maps dating back to 1911, aerial photographs dating back to 1941, interviews, and assessor records were used for gathering information regarding the past use of the subject property and adjoining properties. Sanborn fire insurance maps were reviewed but did not cover the subject property. City directories were not reviewed due to the residential and agricultural property use of the area. Copies of topographic maps, aerial photographs, and assessor notes are provided in Appendix II. A list of the references for the historical research is provided in Appendix III.

5.1 Summary of Past Subject Property Use

A structure with an access driveway, likely a house or farm structure, is shown on the property circa 1911. That structure was removed by the early 1940s, by which time the property looked much like it does at present, with maintained farm fields on the northern two-thirds of the property and a vegetated dike on the south end of the property. Agricultural use has been a mix of grass/hay fields and row crop cultivation since at least the 1940s. Social trails become visible across the southern dike by 1990. The existing shed and detached garage associated with the 742 Livingston Bay Shore Dr property were built on the subject property in the mid-2000s. Portions of the southern dike area have been periodically mowed since the early 2010s.

5.2 Summary of Past Use of Adjoining Properties

North (704, 718, & 742 WA-532): Three structures have bound the subject property to the north since at least 1911. Per assessor records, the existing three houses were constructed between 1916 and 1930.

East (no address and 734/742 Livingston Bay Shore Dr): Undeveloped land bound the subject property to the east in 1911. The land consisted of a mix of farmland and undeveloped vegetated land by 1941. The residential development to the southeast began construction by the early 1970s, including one of the adjoining houses in 1973 and Livingston Bay Shore Drive. The second of the adjoining houses was built in 1991. The rest of the land has remained an undeveloped mix of farmland and forested areas through to the present.

South (no address): Livingston Bay has bound the subject property to the south since at least



1911. No structures or development in the tidelands of Livingstone Bay are known to have been present in the vicinity of the subject property.

West (no address): Undeveloped land bound the subject property to the west in 1911. The property was covered in a mix of agricultural fields and unmaintained vegetated land by 1941. The existing tide gate and flood control equipment for the dikes on the subject property and the farm fields to the west have been present since at least 1954. The area has remained largely unchanged since that time.

SECTION 6. SUBJECT PROPERTY DOCUMENTATION

6.1 Environmental Questionnaire

Marc Sherman, executor of the estate that owns the subject property, completed an environmental questionnaire for the property on August 14, 2024. The executor's responses indicate that they are not aware of environmental liens, lawsuits or land use restrictions, chemical use, storage, or disposal, chemical leaks or releases, placement of contaminated fill, above ground or underground storage tanks, previous contamination, or environmental cleanups associated with the subject property. Fair market value was reportedly paid for the property.

In response to supplemental questions in the questionnaire, the executor stated that the property has been in their family for approximately 20 years. Historically, the property has largely been a "sanctuary for birds and animals" and one farmer has utilized the agricultural portions of the property. The executor is not aware of significant pesticide/herbicide application on this portion of the property. The garage on the property is used to store a car and garden supplies while the shed behind the garage is used to store garden tools. The structures are not connected to any utilities or heat source. The executor is not aware of any illegal dumping activities on the property, or any previous environmental reports being prepared for the property.

A copy of the completed questionnaire is provided in Appendix II.

6.2 Health Department

A public records request was submitted to the Island County Health Department to request records of complaints, violations, or source control inspections, solid waste dumping, or soil and groundwater contamination in association with the site. Island County responded on July 31, 2024 stating that they found no records pertaining to our request.

SECTION 7. INTERVIEWS

A family member of the former property owner and the executor of the estate that owns the property was interviewed by way of an extended environmental questionnaire discussed in



Section 6.1. No additional interviews were conducted as part of this assessment.

SECTION 8. ENVIRONMENTAL DATABASE REVIEW

8.1 Standard ASTM Environmental Record Sources

Environmental databases were reviewed through an ERIS Database Report for the subject property dated August 1, 2024. ERIS provided a map of listed sites and copies of the databases on which the sites were listed.

A total of 4 sites were identified within the ERIS report. The approximate locations of the sites and the subject property are shown on the ERIS radius maps, provided in Appendix V. The sites found within the ASTM approximate minimum search distances and the potential risks they pose to the subject property are discussed in Section 8.2.

8.2 Evaluation of Potential Off-Site Contamination Records

The sites found within the ERIS report were evaluated to determine their potential effect on the subject property. Factors such as location, topography, groundwater flow direction, hydrologic barriers, type of contamination and the actions taken to remove the contamination are all considered to determine the potential off-site contamination source's potential impacts on the subject property.

None of the sites listed in the ERIS report are located adjacent to the subject property.

Based on the relative locations of ERIS-listed sites and the subject property, the position of local hydrologic barriers, the lack of apparent contamination associated with those sites, and/or regulatory closure of the sites, it is our opinion that the remaining sites listed in the ERIS report, including unplotable/orphan sites, do not pose a significant risk of contamination to the subject property.

Stratum Group also reviewed sites listed as "unplotable" by ERIS and determined that the unplotable sites are not located in close proximity to the subject property, do not pose persistent contamination problems, and/or are located in down gradient positions relative to the subject property and therefore do not represent an environmental risk to the subject property.

No additional sites are suspected of potential contamination based upon our review of the historical site use in the vicinity.

8.3 Evaluation of Potential On-Site Contamination Records

The subject property is not listed in any of the environmental databases reviewed in the ERIS report.



SECTION 9. FINDINGS

The subject property consists of mostly undeveloped vegetated land. Two small structures in the southeast corner of the property are used for storage and gardening by the adjacent house. No hazardous materials, evidence of underground storage tanks, or obvious indications of contamination were observed on the property.

Historically, the subject property has been mostly undeveloped since the early 1900s. A house may have been present towards the south end of the property in the early 1900s but appears to have been removed by the 1940s. The north and central portions of the property have been used at least intermittently for agricultural purposes since the 1940s. Based upon the long history of commercial agricultural production on the subject property, there is a possibility of residual concentrations of pesticides and/or herbicides on the site. However, based on the likely future use of the site as undeveloped conservation land, it is our opinion that the risk to human health and the environment is low. However, if future land use changed to include potential exposure to more vulnerable populations (e.g., schools, daycares, etc.), additional investigation may be warranted to determine the presence and extent of residual pesticides and/or herbicides.

No significant environmental concerns were identified in connection with the current or historical uses of the subject property.

No potential off-site sources of contamination were identified in the vicinity that pose an elevated environmental risk to the subject property.

This investigation has not identified evidence of known or suspected soil, groundwater, or vapor contamination concerns for the subject property.

SECTION 10. CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 for the Sherman Property at 738 Livingston Bay Shore Drive in Camano, Washington. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, historical recognized environmental conditions, or significant data gaps in connection with the subject property.

Based upon our site visit, historical review and evaluation of potential off-site contamination sources, it is our opinion that the risk of contamination at the site is minimal, and no further investigation is warranted.



APPENDIX I

Figure 1 – Site Vicinity Map

Figure 2 – Annotated Aerial Photograph of Site & Vicinity

Figure 3 through 12 – Site Photographs



Subject Property

Vicinity Map

Figure 1

Sherman Property
738 Livingston Bay Shore Drive
Camano, Washington 98282

0 0.25 0.5 mi





Annotated Aerial Photograph
of Site & Vicinity

Sherman Property
738 Livingston Bay Shore Drive
Camano, Washington 98282

Figure 2

0 150 300 600 Feet





Figure 3. Garage and gardening shed in the southeast property corner.



Figure 4. Bags of mulch and planters behind the garage.



Figure 5. View inside the gardening shed.



Figure 6. Pile of yard waste and compost containers near the garage.



Figure 7. Table with boxes of clay pigeons on the south end of the property.



Figure 8. Mostly low grassy vegetation along the south end of the property, looking west.



Figure 9. Mostly bare spot near suspected former structure on the south end of the property.



Figure 10. Agricultural fields in the central part of the property, looking north.



Figure 11. Agricultural fields on the north end of the property.



Figure 12. Irrigation and drainage ditch in the middle of the north fields.

APPENDIX II

Environmental Questionnaire

Topographic Maps

Aerial Photographs

Assessor Notes



ENVIRONMENTAL SITE ASSESSMENT
OWNER/OPERATOR QUESTIONNAIRE

Property: Sherman Property
738 Livingston Bay Shore Drive
Island County Parcel R33229-453-4210
Camano, Washington 98282

(1) Are you aware of any liens against the <i>property</i> associated with environmental contamination or cleanups filed under federal, tribal, state, or local law? If so, please explain.	Unknown
(2) Are you aware of any past, threatened, or pending lawsuits or regulatory actions involving the property concerning known or suspected contamination on the property? If so, please explain.	Unknown
(3) Are you aware of any activity and/or use limitations on the <i>property</i> such as engineering controls, land use restrictions, or institutional controls that are in place on the <i>property</i> ? If so, please explain.	Unknown
(4) Did the purchase price (or proposed payment) for this <i>property</i> reasonably reflect the fair market value of the <i>property</i> ? If not, please explain.	yes
(5) Are you aware of past uses of the <i>property</i> ? Describe former structures, owners and/or occupants, and site activities, if known.	Unknown
(6) To your knowledge, has the <i>property</i> or any adjoining property been used as a gas station, dry cleaners, junkyard, landfill, or heavy industrial facility that is likely to have used, stored, or disposed of hazardous substances? If so, please explain.	Unknown

Environmental Questionnaire: Sherman Property

(7) Are you aware of any chemicals that are currently or were once present on the <i>property</i> ? If so, please describe.	Unknown
(8) Are you aware of leaks, spills, or releases of chemicals or potentially hazardous substances that have taken place on the <i>property</i> ? If so, please explain.	Unknown
(9) Are you aware of the placement of contaminated fill material and/or the burial of debris on the <i>property</i> ? If so, please explain.	Unknown
(10) Are you aware of any previous contamination that has been observed or documented on the <i>property</i> ?	Unknown
(11) Are you aware of any environmental cleanups that have taken place on the <i>property</i> ? If so, please explain.	Unknown
(12) Are there currently or have there previously been any underground or above ground storage tanks located on the <i>property</i> ? If so, please explain.	Unknown
(13) Based on your specialized knowledge and experience related to the property, are you aware of any obvious indication of environmental contamination on the <i>property</i> ? If so, please explain.	Unknown

Environmental Questionnaire: Sherman Property

Supplemental Questions:

How long have you owned the property/has it been in your family?

about 20 years

What was the property historically used for? Are you aware of active farming of the property? If so, are you aware of significant pesticide/herbicide application on the fields?

sanctuary for birds/animals

1 farmer

no

I see a detached garage and shed associated with the house at 742 Livingston Bay Shore Dr are on the subject property. What are these structures used for? Are they connected to any utilities?

car &
garden
supplies

garden
tools

no

Are you aware of any illegal dumping concerns on the subject property?

unknown

Are you aware of any previous environmental reports being prepared for the subject property?

unknown

Questionnaire completed by:
(Printed name and signature)

Date: 8-14-24

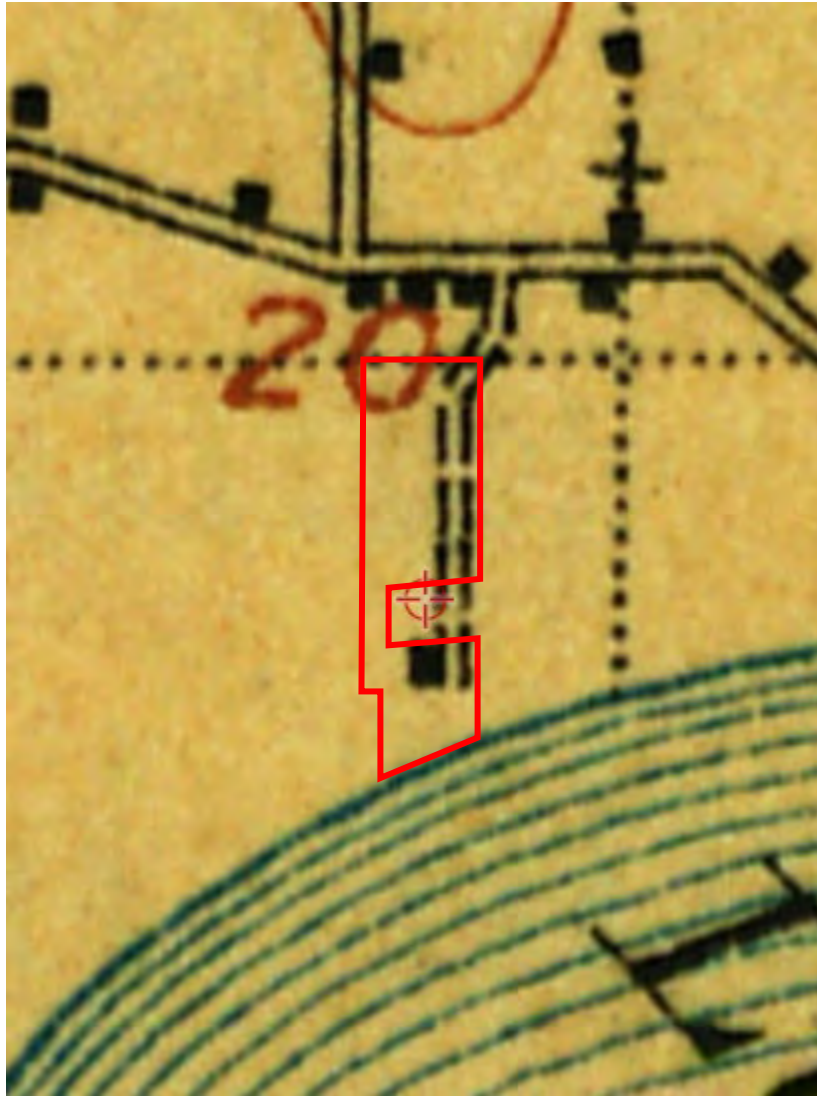

Marc C Sherman

Relationship to property:

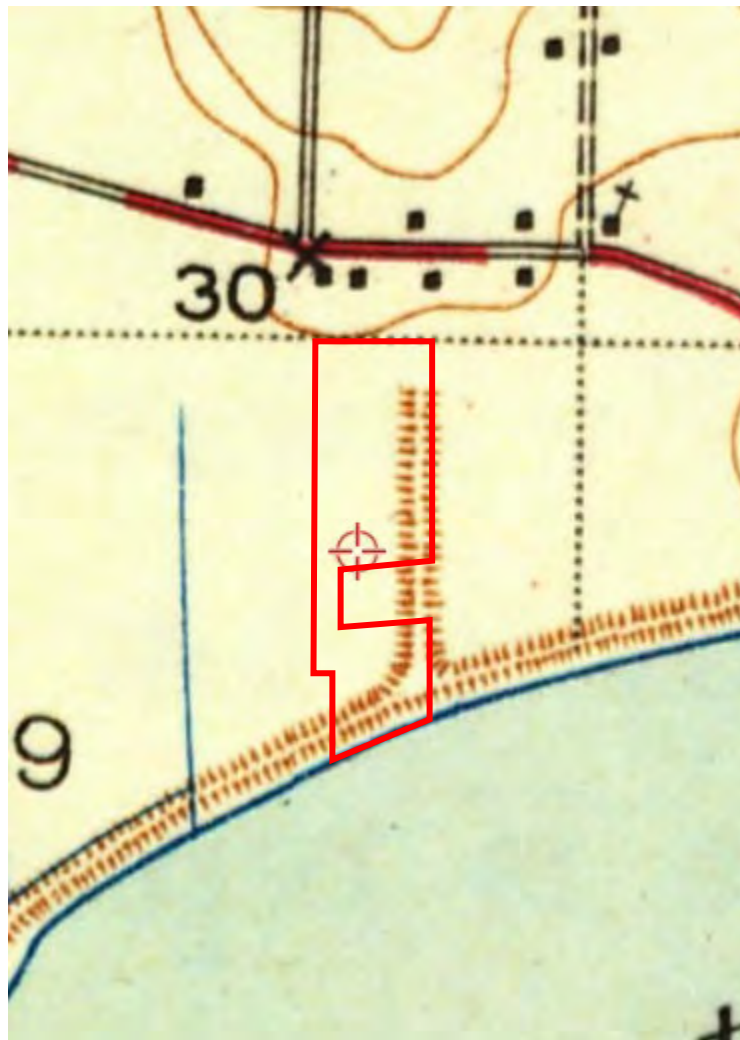
Executor of Estate of Ernest D Sherman

Topographic Maps

(Red outline shows approximate location of subject property)



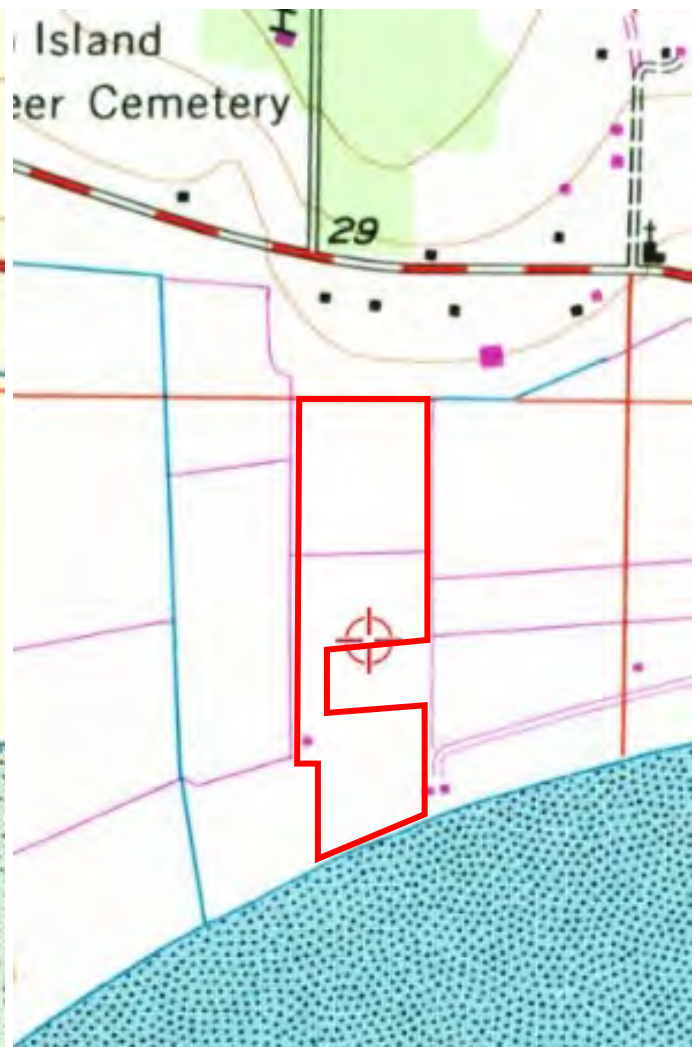
1911



1943



1956



1975

Aerial Photographs

(Outline shows approximate location of subject property)



1941



1954



1968



1981



1990



2006



2014



2020

Island County Assessor & Treasurer

166377 SHERMAN, ERNEST for Year 2023 - 2024

Property

Account

Property ID:

166377

Abbreviated Legal Description:

2 - W536'OF GL4
EX BG SW CR GL4
N462'E99'S TO ML
WLY ALG ML TPB
EX PT TO ST HWY
AF#94000674

Geographic ID:

R33229-453-4210

Agent Code:

Type:

Real

Tax Area:

592 - APPRAISER-Stan/Cam Schl Dist, Special Dist, improved, greater than 1 acre

Open Space:

N

Historic Property:

N

Multi-Family Redevelopment:

N

Township:

32

Range:

R3

Land Use Code:

11

DFL:

N

Remodel Property:

N

Section:

29

Location

Address:

738 LIVINGSTON BAY SHORE DR
CAMANO ISLAND, WA 98282

Neighborhood:

Cycle 5

Neighborhood CD:

5

Map ID:

987

Owner

Name:

SHERMAN, ERNEST

Mailing Address:

7115 W MARGINAL WAY SW
SEATTLE, WA 98106-1911

Owner ID:

188805

% Ownership:

100.0000000000%

Exemptions:

Pay Tax Due

There is currently No Amount Due on this property.

Taxes and Assessment Details

Property Tax Information as of 08/12/2024

Amount Due if Paid on:

NOTE: If you plan to submit payment on a future date, make sure you enter the date and click RECALCULATE to obtain the correct total amount due.

Click on "Statement Details" to expand or collapse a tax statement.

Year	Statement ID	First Half Base Amt.	Second Half Base Amt.	Penalty	Interest	Base Paid	Amount Due
▶ Statement Details							
2024	9877	\$1821.74	\$1821.67	\$0.00	\$0.00	\$3643.41	\$0.00
▶ Statement Details							
2023	9887	\$1625.76	\$1585.68	\$0.00	\$0.00	\$3211.44	\$0.00
▶ Statement Details							
2022	9895	\$1245.61	\$0.00	\$0.00	\$0.00	\$1245.61	\$0.00
▶ Statement Details							
2022	53991	\$6544.61	\$0.00	\$0.00	\$0.00	\$6544.61	\$0.00
▶ Statement Details							
2021	9910	\$237.46	\$236.87	\$0.00	\$0.00	\$474.33	\$0.00
▶ Statement Details							
2021	53972	\$3286.16	\$0.00	\$0.00	\$0.00	\$3286.16	\$0.00
▶ Statement Details							
2020	9896	\$430.24	\$0.00	\$0.00	\$0.00	\$430.24	\$0.00
▶ Statement Details							
2020	54001	\$2625.30	\$0.00	\$0.00	\$0.00	\$2625.30	\$0.00
▶ Statement Details							
2019	9858	\$425.70	\$0.00	\$0.00	\$0.00	\$425.70	\$0.00
▶ Statement Details							
2019	53800	\$2859.72	\$0.00	\$0.00	\$0.00	\$2859.72	\$0.00
▶ Statement Details							

2018 9906	\$448.82	\$0.00	\$0.00	\$0.00	\$448.82	\$0.00
▶ Statement Details						
2018 53940	\$3347.16	\$0.00	\$0.00	\$0.00	\$3347.16	\$0.00
▶ Statement Details						
2017 9951	\$402.96	\$0.00	\$0.00	\$0.00	\$402.96	\$0.00
▶ Statement Details						
2017 53958	\$2933.97	\$0.00	\$0.00	\$0.00	\$2933.97	\$0.00
▶ Statement Details						
2016 10138	\$383.24	\$0.00	\$0.00	\$0.00	\$383.24	\$0.00
▶ Statement Details						
2016 54341	\$2440.86	\$0.00	\$0.00	\$0.00	\$2440.86	\$0.00
▶ Statement Details						
2015 10095	\$389.67	\$0.00	\$0.00	\$0.00	\$389.67	\$0.00
▶ Statement Details						
2015 53892	\$2665.95	\$0.00	\$0.00	\$0.00	\$2665.95	\$0.00

Values

(+) Improvement Homesite Value:	+	\$0
(+) Improvement Non-Homesite Value:	+	\$13,000
(+) Land Homesite Value:	+	\$0
(+) Land Non-Homesite Value:	+	\$450,000
(+) Curr Use (HS):	+	\$0 \$0
(+) Curr Use (NHS):	+	\$0 \$0

(=) Market Value:	=	\$463,000
(-) Productivity Loss:	-	\$0

(=) Subtotal:	=	\$463,000
(+) Senior Appraised Value:	+	\$0
(+) Non-Senior Appraised Value:	+	\$463,000

(=) Total Appraised Value:	=	\$463,000
(-) Senior Exemption Loss:	-	\$0
(-) Exemption Loss:	-	\$0

(=) Taxable Value:	=	\$463,000
--------------------	---	-----------

Taxing Jurisdiction

Owner: SHERMAN, ERNEST
 % Ownership: 100.0000000000%
 Total Value: \$463,000
 Tax Area: 592 - APPRAISER-Stan/Cam Schl Dist, Special Dist, improved, greater than 1 acre

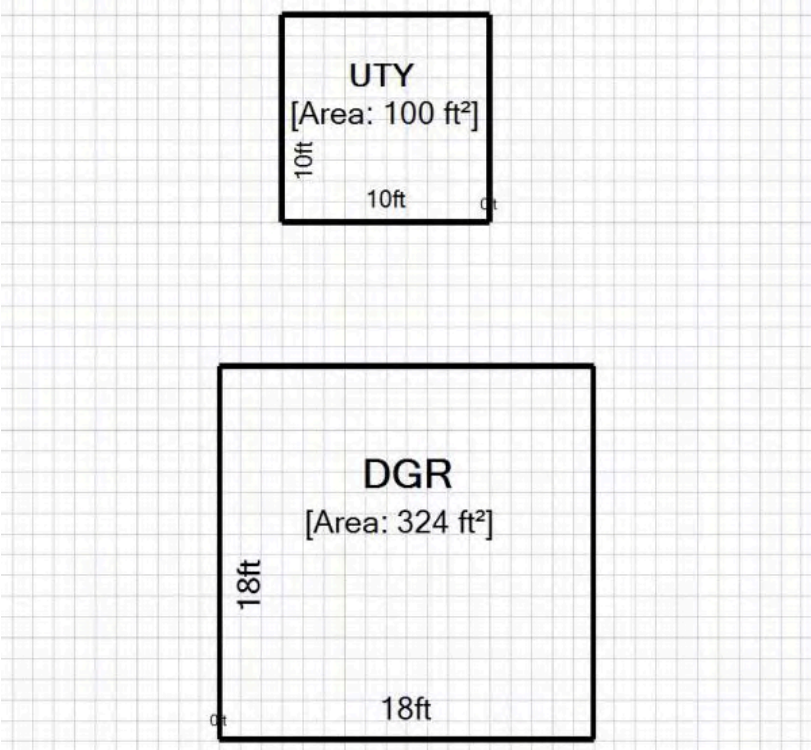
Levy Code	Description	Levy Rate	Appraised Value	Taxable Value	Estimated Tax
CF	Conservation Futures	0.0320173310	\$463,000	\$463,000	\$14.82
MC	Mosquito Control	0.0000000000	\$463,000	\$463,000	\$0.00
CCD	Camano Conservation District	0.0000000000	\$463,000	\$463,000	\$0.00
EMS1	Fire & Rescue Dist #1 Camano GEN (EMS)	0.3681963407	\$463,000	\$463,000	\$170.47
FIRE1	Fire & Rescue Dist #1 Camano GEN	1.2500000000	\$463,000	\$463,000	\$578.75
FIRE1BOND	Fire & Rescue Dist #1 Camano BOND	0.1532035747	\$463,000	\$463,000	\$70.93
CDD	County Developmental Disabilities	0.0000000000	\$463,000	\$463,000	\$0.00
CE	County Current Expense	0.3724427666	\$463,000	\$463,000	\$172.44
COMH	County Mental Health	0.0000000000	\$463,000	\$463,000	\$0.00
CVR	County Veteran's Relief	0.0000000000	\$463,000	\$463,000	\$0.00
CR	County Roads	0.4600155052	\$463,000	\$463,000	\$212.99
LCIB	Library Sno-Isle BOND (Camano Island)	0.0396325772	\$463,000	\$463,000	\$18.35
LIB	Library Sno-Isle GEN	0.3243030872	\$463,000	\$463,000	\$150.15
SCH205_401	School 205-401 Enrichment	1.2800557232	\$463,000	\$463,000	\$592.67
SCH205BOND	School 205-401 BOND	0.9591886230	\$463,000	\$463,000	\$444.10

ST	State School	1.5818082046	\$463,000	\$463,000	\$732.38
ST2	State School Part 2	0.7564532771	\$463,000	\$463,000	\$350.24
Total Tax Rate:		7.5773170105			
				Taxes w/Current Exemptions:	\$3,508.29
				Taxes w/o Exemptions:	\$3,508.29

Improvement / Building

Improvement #1:	MISC	State Code:	Y	0.0 sqft	Value:	\$13,000
Type	Description	Class CD	Sub Class CD	Year Built	Area	
DGR	DETACHED GARAGE	3	0	1900	324.0	
UTY	STORAGE/UTILITY	3	0	1900	100.0	

Sketch



Property Image



Land

#	Type	Description	Acres	Sqft	Eff Front	Eff Depth	# Lots	Market Value	Prod. Value
1	LB	LOW BANK	15.7000	683892.00	0.00	0.00	1.00	\$450,000	\$0

Roll Value History

Year	Improvements	Land Market	Current Use	Total Appraised	Taxable Value
2024	N/A	N/A	N/A	N/A	N/A
2023	\$13,000	\$450,000	\$0	\$463,000	\$463,000
2022	\$13,000	\$400,000	\$0	\$413,000	\$413,000
2021	\$10,000	\$350,000	\$8,980	\$41,273	\$41,273
2020	\$10,000	\$300,000	\$8,980	\$38,088	\$38,088
2019	\$10,000	\$220,000	\$8,980	\$32,993	\$32,993
2018	\$10,000	\$220,000	\$8,980	\$32,993	\$32,993
2017	\$10,000	\$220,000	\$8,980	\$32,993	\$32,993
2016	\$10,000	\$200,000	\$8,980	\$31,719	\$31,719
2015	\$10,000	\$151,527	\$8,980	\$28,631	\$28,631
2014	\$10,000	\$151,527	\$8,980	\$28,631	\$28,631
2013	\$10,000	\$151,527	\$8,980	\$28,631	\$28,631
2012	\$10,000	\$151,527	\$8,980	\$28,631	\$28,631
2011	\$13,954	\$189,410	\$8,980	\$22,934	\$22,934
2010	\$13,954	\$189,410	\$8,980	\$22,934	\$22,934
2009	\$14,111	\$364,250	\$8,980	\$23,091	\$23,091
2008	\$14,255	\$383,600	\$8,980	\$23,235	\$23,235
2007	\$14,412	\$367,500	\$8,980	\$23,392	\$23,392
2006	\$0	\$314,000	\$9,591	\$9,591	\$9,591
2005	\$0	\$8,991	\$8,991	\$8,991	\$8,991

Deed and Sales History

#	Deed Date	Type	Description	Grantor	Grantee	Volume	Page	Sale Price	Excise Number	Deed Number
1	06/06/2002	REC	Real Estate Contract	EINARSEN, DONALD E	SHERMAN, ERNEST			\$0.00	22217	4022431
2	05/30/2001	OTHER	Other - Misc. Documents	EINARSEN, DONALD E	EINARSEN, DONALD E			\$0.00	69040	0
3	12/01/1993	WD	Warranty Deed	EINARSEN, DONALD E	EINARSEN, DONALD E			\$0.00	40118	94000674
4	01/01/1900	OTHER	Other - Misc. Documents	Unknown	EINARSEN, DONALD E			\$0.00	0	0

Payout Agreement

No payout information available..

APPENDIX III

Historical Use & Public Records Search References

Stratum Group Indemnity

Historical Use and Public Records Search References

Historical Use Source References

1. Aerial photos dated 1941, 1954, 1968, and 1981, as maintained by the U.S. Geological Survey online at earthexplorer.usgs.gov
2. Aerial photos dated 1990 through 2024 (not all years included) as maintained by Google Earth.
3. Current property assessor records maintained by the Island County Assessor's Office online at <https://assessor.islandcountywa.gov/propertyaccess/PropertySearch.aspx?cid=0>
4. Sanborn fire insurance maps (did not cover the subject property), available online at <https://www.loc.gov/collections/sanborn-maps/>
5. Topographic map of the 1:125,000 Mt Vernon Quadrangle dated 1911, , the 1:62,500 Stanwood Quadrangle dated 1943, and the 1:24,000 Juniper Beach Quadrangle dated 1956 and 1973, as maintained by the USGS Historical Topographic Map Explorer online at <https://livingatlas.arcgis.com/topoexplorer/index.html>.

Public Records Database Search References

ERIS Database Report for 738 Livingston Bay Shore Dr, Camano, WA 98282; Order Number 24073000421 (ERIS, August 1, 2024).

Washington Department of Ecology online databases and reports, available through <https://fortress.wa.gov/ecy/gsp/SiteSearchPage.aspx> and requested files.

Stratum Group Indemnity

Stratum Group has prepared this report using reasonable efforts in each phase of its work to estimate the liabilities associated with recognized environmental conditions on the subject property and in the vicinity of the subject property. No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. This report is intended to reduce, but not eliminate, uncertainty regarding the existence of recognized environmental conditions in connection with the subject property, in recognition of reasonable limits of time and cost.

Stratum Group makes no warranty, expressed or implied, as to the accuracy of information contained in public records.

This report is not definitive and should not be considered a complete or specific definition of all conditions above or below grade. Subsurface exploration of the site was not within the scope of this study. Recognized environmental conditions in the subsurface, if present, could only be identified by a subsurface investigation. An evaluation of area-wide atmospheric deposition of contaminants is not evaluated within this report. If buildings are present on the property, asbestos and/or lead containing materials may be present. This report did not include collection of samples for asbestos containing materials or testing for lead. Should any renovation, remodeling, or demolition of buildings occur on the property or if suspect materials are damaged, a thorough good faith asbestos sampling should be completed.

As is now common in the industry, it is understood that, to the fullest extent permitted by law, our clients agree to defend, indemnify and hold harmless Stratum Group, its owners, employees, subcontractors and agents, from any (past, present, or future) pollution-related claims or damages at the site, including potential claims from third parties that may name Stratum Group as a claimant

APPENDIX IV

Resumes

Ben Carlson

Licensed Geologist

ben@stratumgroup.net



WORK EXPERIENCE

Stratum Group – Bellingham, WA (January 2019 to present)

Geologist: As a qualified Environmental Professional, Ben has performed historical property research and site inspections for several hundred Phase I environmental site assessments and transaction screens for private and public agencies across Washington State. Ben has conducted soil, groundwater, sub-slab soil gas, and indoor air sampling at several sites including gas stations, auto repair shops, dry cleaners, foundries, industrial sites, and automotive wrecking yards to determine the presence of potentially hazardous contaminants and their potential sources. Ben has worked with owners and interested parties on several of these sites to characterize areas of contamination and develop cleanup plans with the eventual goal of obtaining regulatory closure through the Department of Ecology and/or PLIA. Ben also evaluates and analyzes laboratory data, generates concise technical reports, uses GIS software to help determine required contaminant cleanup levels, and has been involved in designing and implementing environmental cleanup plans.

Shannon & Wilson, Inc. – Seattle, WA (May 2017 to December 2018)

Staff Geologist: Ben performed geologic and geotechnical evaluations for dozens of large- and small-scale, public and private, infrastructure and development projects around Washington State. His technical experience includes coordinating and performing subsurface exploration using a variety of drilling techniques, groundwater monitoring and infiltration testing, and GIS data processing and analysis. Project duties included writing concise technical reports and developing maps and figures to clearly communicate project findings.

RELEVANT PROJECT EXPERIENCE

Bank of the Pacific, SaviBank, UniBank, Coastal Community, First Sound, Heritage, Mountain Pacific, and Peoples banks, several private investment firms Western Washington: Completed hundreds of environmental transaction screens and Phase I site assessments for residential, commercial, and industrial properties throughout Washington State. Evaluations have been conducted on gasoline stations, automotive facilities, foundries, boatyards, current and former industrial sites, lumber mills, agricultural properties, medical offices, retail complexes, undeveloped and abandoned properties, and residential structures.

Whidbey Camano Land Trust, Skagit Land Trust, City of Bellingham, Northwest Washington: Phase I environmental site assessments have been completed for several undeveloped and/or riparian properties being considered for land trust acquisition or for conservation. Site inspections for these generally undeveloped and/or abandoned properties have focused on clearings, roadways, or trails identified through historic aerial photographs, where solid waste dumping is most likely.

Cap Sante Marine (Anacortes, Washington): Completed a Phase I ESA for the site and discovered evidence of historical petroleum spills. Completed a Phase II soil and groundwater sampling investigation to determine the presence of petroleum contamination on the site and follow-up sampling and monitoring well installation to establish the nature and extent of contamination on the site. Helped design and implement a cleanup plan for the site including excavation and removal of more than 300

tons of petroleum contaminated soils, pumping and disposal of contaminated groundwater, placement of oxygen-releasing compounds in the excavation area to expedite remediation of residual contamination, and groundwater monitoring to assess the progress of cleanup activities.

Boulevard Grocery (Marysville, Washington): Evaluated the UST removal and cleanup efforts at a former gas station site completed by other environmental professionals. Established the presence of residual contamination on site and helped design a remediation plan using in-situ injection of activated carbon compounds around the former USTs. Conducted several rounds of groundwater monitoring to observe the efficacy of the remediation solution and to work toward regulatory closure of the site.

Manufactured Home Sales Lot (Everett, Washington): Completed a Phase I ESA and discovered a historical gas station on the site dating back to the 1940s. Completed a Phase II soil and groundwater sampling investigation to evaluate for the presence of petroleum contamination on the site and a second round of environmental sampling to characterize the magnitude and extent of contamination on the site. Helped develop a cleanup plan for the site to address recognized contamination problems.

7th Avenue Plaza (Everett, Washington): Completed an indoor air sampling investigation for a shopping complex building that bounds a heavily contaminated bulk fueling facility to evaluate for the presence of petroleum vapor intrusion into the building. Chemical concentrations were compared to WA state permissible exposure limits for workers to determine the risk posed by potential vapor intrusion to occupants of the building.

Chevron 95166 (Bremerton, Washington): Completed a phase I environmental site assessment and phase II soil sampling of a gasoline station to evaluate for the presence of petroleum contamination due to the site's 70-year history as an operating gas station and to determine whether contamination from an adjacent historical landfill existed beneath the subject property.

Olympic 4x4 Supply (Snohomish, Washington): Assisted in the execution of a cleanup of a former automotive repair shop and wrecking yard. Project duties included establishing a sampling methodology, monitoring soil excavation and removal activities by a subcontractor, collecting confirmation soil samples, and generating maps of the cleanup effort to be submitted to Ecology.

Multiple residential & commercial properties: Identified the presence of an unregulated heating oil UST on the properties. Coordinated and worked with contractors to pump out and clean the tanks and either (1) collect samples from around the tank to verify no release had occurred and close the tank in place, or (2) remove the tank, evaluate soils around the tank for potential contamination, and conduct limited remediation work if evidence of releases is detected.

EDUCATION

B.S. Geology, Union College, Schenectady, NY, 2012

M.Sc. Geology, Western Washington University, Bellingham, WA, 2017

CERTIFICATIONS

Licensed Geologist in the State of Washington since 2020.

40-hour Health and Safety Training for Hazardous Waste Sites (in accordance with 29 CFR 1910.120 and WAC 296-62-3040) and annual 8-hour HAZMAT update training (since 2017)

APPENDIX V

ERIS Database Report



DATABASE REPORT

Project Property:	<i>WCLT Camano Livingston Bay 738 Livingston Bay Shore Dr. Camano WA 98282</i>
Project No:	<i>7.30.24</i>
Report Type:	<i>Database Report</i>
Order No:	<i>24073000421</i>
Requested by:	<i>Stratum Group</i>
Date Completed:	<i>August 1, 2024</i>

Environmental Risk Information Services

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Executive Summary

Property Information:

Project Property: *WCLT Camano Livingston Bay
738 Livingston Bay Shore Dr. Camano WA 98282*

Project No: *7.30.24*

Coordinates:

Latitude:	<i>48.23761102</i>
Longitude:	<i>-122.44354044</i>
UTM Northing:	<i>5,342,859.92</i>
UTM Easting:	<i>541,318.34</i>
UTM Zone:	<i>10U</i>

Elevation: *12 FT*

Order Information:

Order No: *24073000421*

Date Requested: *July 30, 2024*

Requested by: *Stratum Group*

Report Type: *Database Report*

Historicals/Products:

ERIS Xplorer [*ERIS Xplorer*](#)

Excel Add-On *Excel Add-On*

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
<u>Standard Environmental Records</u>								
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	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
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

HSL	Y	1	0	0	0	0	0	0
CSCSL	Y	1	0	0	0	0	0	0
DELISTED SHWS	Y	1	0	0	0	0	0	0
CSCSL NFA	Y	0.5	0	0	0	0	-	0
SWF/LF	Y	0.5	0	0	0	0	-	0
RECYCLERS	Y	0.5	0	0	0	0	-	0
WASTE TIRE	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	0	-	0
LUST PTAP	Y	0.5	0	0	0	0	-	0
UST LOAN	Y	0.5	0	0	0	0	-	0
LST HOT	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
AST	Y	0.25	0	0	0	-	-	0
AST SPL PREV	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	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 databases were selected to be included in the search.

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
<u>Additional Environmental Records</u>								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
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
ERNS PFAS	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	-	-	-	-	0
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	1	1
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

State

PFAS CONF-SUSP	Y	0.5	0	0	0	0	-	0
SPILLS	Y	0.125	0	1	-	-	-	1
SPILLS WATER	Y	0.125	0	0	-	-	-	0
ALL SITES	Y	0.5	0	0	0	2	-	2
ERTS	Y	0.125	0	1	-	-	-	1
ICR	Y	0.5	0	0	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
HIST CDL	Y	PO	0	-	-	-	-	0
AIR PERMITS	Y	0.25	0	0	0	-	-	0
UIC	Y	PO	0	-	-	-	-	0

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental databases were selected to be included in the search.

Total:	0	2	0	2	1	5
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* PO – Property Only

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

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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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	ERTS		755 SR 532 Camano WA 98282	NNE	0.10 / 519.35	26	17
1	SPILLS		755 SR 532 CAMANO WA <i>Incident ID Incident Date:</i> 633164	NNE	0.10 / 519.35	26	20
2	ALL SITES	Impressions Worldwide Inc	899 SR 532 CAMANO ISLAND WA 98292	ENE	0.40 / 2,106.23	21	20
3	ALL SITES	SNOHOMISH CNTY PUD 1 CAMANO SUBSTA	525 E STATE HWY 532 CAMANO ISLAND WA 98282	WNW	0.47 / 2,458.38	10	21
4	MRDS	UNNAMED PIT	ISLAND COUNTY CAMANO ISLAND WA 98282 <i>Dep ID:</i> 10204398	W	0.93 / 4,886.47	149	21

Executive Summary: Summary by Data Source

Non Standard

Federal

MRDS - Mineral Resource Data System

A search of the MRDS database, dated Mar 15, 2016 has found that there are 1 MRDS site(s) within approximately 1.00miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNNAMED PIT	ISLAND COUNTY CAMANO ISLAND WA 98282 <i>Dep ID: 10204398</i>	W	0.93 / 4,886.47	4

State

SPILLS - Spills Incidents Sites

A search of the SPILLS database, dated Apr 15, 2024 has found that there are 1 SPILLS site(s) within approximately 0.12miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	755 SR 532 CAMANO WA <i>Incident ID Incident Date: 633164 </i>	NNE	0.10 / 519.35	1

ALL SITES - Facility/Site Identification System

A search of the ALL SITES database, dated Apr 15, 2024 has found that there are 2 ALL SITES site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Impressions Worldwide Inc	899 SR 532 CAMANO ISLAND WA 98292	ENE	0.40 / 2,106.23	2
SNOHOMISH CNTY PUD 1 CAMANO SUBSTA	525 E STATE HWY 532 CAMANO ISLAND WA 98282	WNW	0.47 / 2,458.38	3

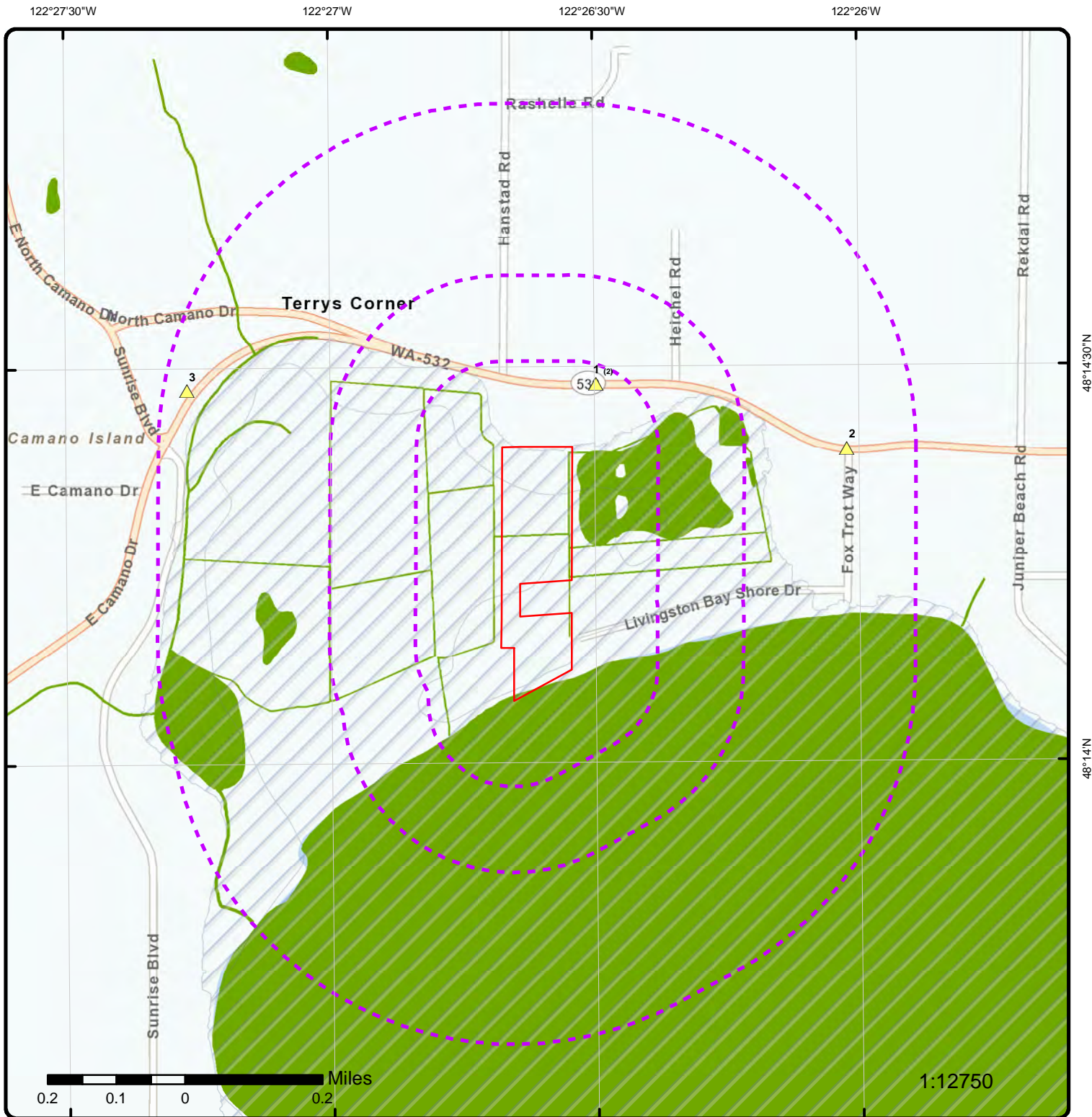
ERTS - Environmental Report Tracking System (ERTS)

A search of the ERTS database, dated Mar 6, 2024 has found that there are 1 ERTS site(s) within approximately 0.12miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	755 SR 532 Camano WA 98282	NNE	0.10 / 519.35	1

Map Key





Map: 0.5 Mile Radius

Order Number: 24073000421

Address: 738 Livingston Bay Shore Dr., Camano, WA



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)

122°27'W

122°26'30"W

122°26'W

48°14'30"N

48°14'30"N

48°14'N

48°14'N



Map: 0.25 Mile Radius

Order Number: 24073000421

Address: 738 Livingston Bay Shore Dr., Camano, WA



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)

122°27'W

122°26'30"W

122°26'W

48°14'30"N

48°14'30"N

48°14'N

48°14'N

0.1 0.05 0 0.1 Miles

1:10000

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Aerial Year: 2020

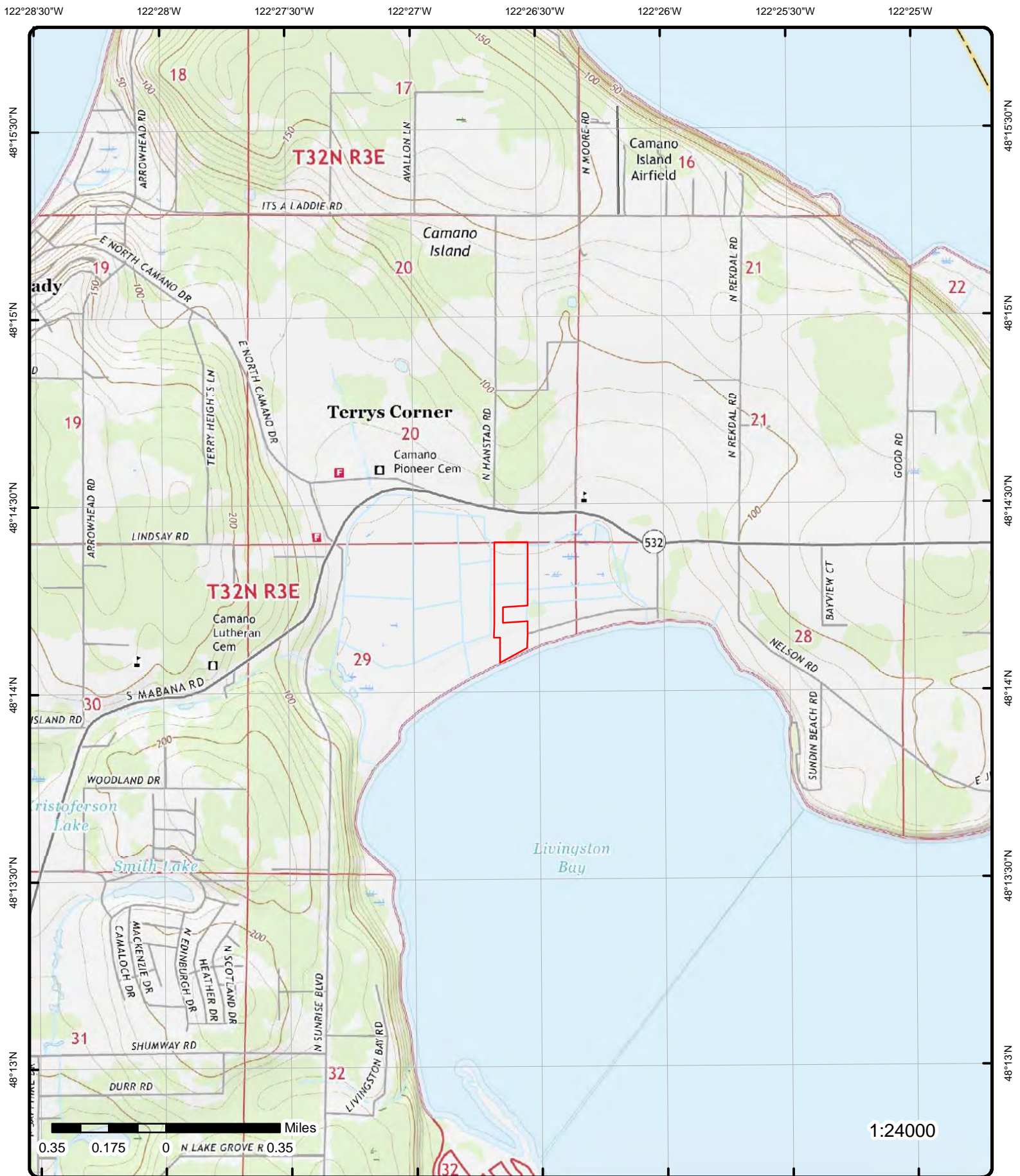
Order Number: 24073000421

Address: 738 Livingston Bay Shore Dr., Camano, WA



© ERIS Information Inc.

Source: ESRI World Imagery



Topographic Map

Year: 2020

Order Number: 24073000421

Address: 738 Livingston Bay Shore Dr., WA

Quadrangle(s): Utsalady WA, Juniper Beach WA

Source: USGS Topographic Map



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 2	NNE	0.10 / 519.35	38.11 / 26	755 SR 532 Camano WA 98282	ERTS

Incident ID: 633164
Incident Date: 2012-04-06
County: ISLAND
Location:

Latitude:
Longitude:

Initial Report Details

Initial Report Substance Name: Waste water
Initial Report Subst Category: Water
Initial Report Subst Quanti:
Initial Report Substance Unit:
Initial Report Medium Name: Soil
Initial Report Medium Category: Ground
Initial Report Cause Category: Accident
Initial Report Cause Name: Other
Initial Report Source Name: Domestic
Initial Report Source Category: Private property
Initial Report Activity Name: Other
Initial Report Comment Desc: -----Original Message-----
 From: State Emerge **Note: Many records provided by the department have a truncated [Initial Report Comment Description] field.

Follow up Details

ERTS Follow up No:
Follow up Substance Name:
Follow up Substance Quantity:
Follow up Subst Unit of Meas:
Follow up Cause Name:
Follow up Medium Name:
Follow up Source Name:
Follow up Activity Name:

Potential Details

Pot Resp Party First Name: SHARON
Pot Resp Prty Last Name: ANDERS
Potentially Resp Party Org:

Initial Comments

Initial Report Comment:

ERTS Number 633164 -

-----Original Message-----
 From: State Emergency Operations Officer (MIL)
 Sent: Friday, April 06, 2012 3:58 PM
 To: Sacayanan, Tamara L. (ECY)
 Cc: 'dem@co.island.wa.us'
 Subject: FW: NRC#1007996

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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For your action/information.

State Emergency Operations Officer/bb
Washington State Emergency Operations Center C
amp Murray, WA 98430
24-hr: 800-258-5990 Fax: 253-512-7203
www.emd.wa.gov
stateemergency.operationsofficer@mil.wa.gov

Please note our email address has changed and update your contacts accordingly. Thank you.

-----Original Message-----

From: HQS-PF-flidr-NRC@uscg.mil [mailto:HQS-PF-flidr-NRC@uscg.mil]
Sent: Friday, April 06, 2012 3:55 PM
To: State Emergency Operations Officer (MIL)
Subject: NRC#1007996

NATIONAL RESPONSE CENTER 1-800-424-8802
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***
Information released to a third party shall comply with any
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1007996

INCIDENT DESCRIPTION

*Report taken by: CIV DAVID DEDEAUX at 18:47 on 06-APR-12
Incident Type: FIXED
Incident Cause: UNKNOWN
Affected Area:
Incident occurred on 06-APR-12 at 15:51 local incident time.
Affected Medium: LAND SOIL

REPORTING PARTY

Name: ALLEN NOEL
Address: 18222 CLARENCE AVE
STANWOOD, WA 98292

PRIMARY Phone: (360)4419764

SUSPECTED RESPONSIBLE PARTY

Name: SHARON ANDERS

Address: 755 STATE RD 532
CAMANO ISLAND, WA 98282
PRIMARY Phone: (360)6319663

INCIDENT LOCATION

755 STATE RD 532 County: ISLAND
City: CAMANO ISLAND State: WA Zip: 98282

RELEASED MATERIAL(S)

CHRIS Code: NCC Official Material Name: NO CHRIS CODE
Also Known As: GREY WATER
Qty Released: 0 UNKNOWN AMOUNT

DESCRIPTION OF INCIDENT

CALLER IS REPORTING A DISCHARGE OF GREY WATER FROM A SEWER PIPE
UNDER A PRIVATE RESIDENCE

SENSITIVE INFORMATION

INCIDENT DETAILS

Package: N/A
Building ID:
Type of Fixed Object: PRIVATE RESIDENCE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Power Generating Facility: UNKNOWN
 Generating Capacity:
 Type of Fuel:
 NPDES:
 NPDES Compliance: UNKNOWN

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:
 FATALITIES: NO Empl/Crew: Passenger: Occupant:
 EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO
 Hours Direction of
 Closure Type Description of Closure Closed Closure
 N
 Air:
 N Major
 Road: Artery:N
 N
 Waterway:
 N
 Track:

Environmental Impact: UNKNOWN
 Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

NONE
 Release Secured: UNKNOWN
 Release Rate:
 Estimated Release Duration:

WEATHER

Weather: CLEAR, °F

ADDITIONAL AGENCIES NOTIFIED

Federal: NONE
 State/Local: NONE
 State/Local On Scene: NONE
 State Agency Number: NONE

NOTIFICATIONS BY NRC

DHS CUSTOMS AND BORDER PATROL (INTEL BRANCH/BLAINE SECTOR)
 06-APR-12 18:54 (360)4107222
 DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
 06-APR-12 18:54 (202)3661863
 U.S. EPA X SEATTLE (MAIN OFFICE)
 (206)5531263
 FEMA REGION 10 (MAIN OFFICE)
 06-APR-12 18:54 (425)4874704
 NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)
 06-APR-12 18:54 (202)2829201
 NOAA RPTS FOR WA (MAIN OFFICE)
 06-APR-12 18:54 (206)5264911
 OREGON TITAN FUSION CENTER (COMMAND CENTER)
 06-APR-12 18:54 (877)6204702
 WA STATE EMERGENCY MANAGEMENT (MAIN OFFICE)
 06-APR-12 18:54 (800)2585990
 WASHINGTON STATE FUSION CENTER (MAIN OFFICE)
 06-APR-12 18:54 (877)
 WASHINGTON STATE NATIONAL GUARD (COMMAND CENTER)
 06-APR-12 18:54 (253)5128159

ADDITIONAL INFORMATION

*** END INCIDENT REPORT #1007996 ***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

Historic Referral Contact Information - ReferralDate: 2012-04-09 FirstName: MARK MiddleName: LastName: HENLEY Email: MAHE461@ECY.WA.
GOV PhoneNumber: (425) 649-7103 OrganizationName: WATER QUALITY WorkLocation: NWRO

Historic Referral Contact Information - ReferralDate: 2012-04-09 FirstName: JILL WOOD MiddleName: LastName: ISLAND CO HEALTH - ALSO USE
FOR STORM WATER ISSUES Email: EMAIL ISLAND CO HEALTH PhoneNumber: (360) 679-7350 OrganizationName: ISLAND COUNTY
WorkLocation: HEALTH DEPARTMENT

1	2 of 2	NNE	0.10 / 519.35	38.11 / 26	755 SR 532 CAMANO WA	SPILLS
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Incident ID:	633164	Location:	
Incident Date:		Address:	755 SR 532
Latitude:		City:	CAMANO
Longitude:		County:	ISLAND

Spill Information

Incident Date:	4/6/2012
Latitude:	NULL
Longitude:	NULL

Spill Information

Incident Date:	4/6/2012
Latitude:	NULL
Longitude:	NULL

Spill Details Historical

Material:	WASTE WATER	Source:	DOMESTIC
Qty:	NULL	Sheen Only:	0
Medium:	SOIL	Waterway:	NULL
Impact:	SOIL CONTAMINATION	Prp Business Name:	NULL
Cause:	OTHER	Prp First Name:	SHARON
Activity:	OTHER	Prp Last Name:	ANDERS

Spill Details Historical

Material:	WASTE WATER	Source:	DOMESTIC
Qty:	NULL	Sheen Only:	0
Medium:	SOIL	Waterway:	NULL
Impact:	SOIL CONTAMINATION	Prp Business Name:	NULL
Cause:	OTHER	Prp First Name:	SHARON
Activity:	OTHER	Prp Last Name:	ANDERS

2	1 of 1	ENE	0.40 / 2,106.23	33.02 / 21	Impressions Worldwide Inc 899 SR 532 CAMANO ISLAND WA 98292	ALL SITES
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Facility/Site ID:	11336829
Point Y:	48.2397116022254
Point X:	-122.435208559033
Source File:	Washington State Department of Ecology Facilities - Sites Interactions; Washington State Department of Ecology Facilities - Sites

Facility/Site Interaction

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program ID: WAH000008045 Interaction ID: 26085 Interaction Status: I Interac Stat Desc: Inactive Interaction Type: HWG Facility Alternate: Interaction Desc: Hazardous Waste Generator Program Name Desc: Hazardous Waste & Toxics Reduction Program Database Name Desc: Hazardous Waste Inf Mgt System						
Interact Start Dt: 12-Mar-1999 Interact End Dt: 15-Nov-1999 Ecology Program: HAZWASTE Prog Database Name: TURBOWASTE						
Facility Location Detail						
Coord Extension:	99				Horizont Accuracy:	99
Coord Geog:	8				Hor Dtm Co:	2
Horizontal:	Unknown				Horz Coll Meth Cd:	4
Horizont 1:	NAD83				Location Verified:	N
Horizont 2:	Address				Geo Loc ID:	11336829
3	1 of 1	WNW	0.47 / 2,458.38	22.10 / 10	SNOHOMISH CNTY PUD 1 CAMANO SUBSTA 525 E STATE HWY 532 CAMANO ISLAND WA 98282	ALL SITES
Facility/Site ID: 3245191 Point Y: 48.2293205207691 Point X: -122.474308791135 Source File: Washington State Department of Ecology Facilities - Sites Interactions; Washington State Department of Ecology Facilities - Sites						
Facility/Site Interaction						
Program ID: CRK000058340 Interaction ID: 12245 Interaction Status: A Interac Stat Desc: Active Interaction Type: TIER2 Facility Alternate: Interaction Desc: Emergency/Haz Chem Rpt TIER2 Program Name Desc: Hazardous Waste & Toxics Reduction Program Database Name Desc: Emergency Planning & Community Right-to-Know Act						
Interact Start Dt: 15-Sep-2003 Interact End Dt: Ecology Program: HAZWASTE Prog Database Name: EPCRA						
Facility Location Detail						
Coord Extension:	99				Horizont Accuracy:	99
Coord Geog:	99				Hor Dtm Co:	99
Horizontal:	Unknown				Horz Coll Meth Cd:	99
Horizont 1:	Unknown				Location Verified:	N
Horizont 2:	Unknown				Geo Loc ID:	3245191
4	1 of 1	W	0.93 / 4,886.47	160.80 / 149	UNNAMED PIT ISLAND COUNTY CAMANO ISLAND WA 98282	MRDS
Dep ID: 10204398 Dev Status: PAST PRODUCER Code List: SDG Uri: http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10204398						
I1: 79 Latitude: 48.233704 Longitude: -122.464478						
Commodity						
I1:	48				Line:	1
Code:	SDG				Inserted By:	MAS migration
Commodity:	Sand and Gravel, Cons				Insert Date:	29-OCT-02

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Commodity Type: Commodity Group: Importance:	Non-metallic Sand and Gravel Primary				Updated By: Update Date:	USGS 29-OCT-02
<u>Names</u>						
I1: Status: Site Name: Line:	40 Previous Island County 2				Inserted By: Insert Date: Updated By: Update Date:	MAS migration 29-OCT-02 USGS 29-OCT-02
<u>Names</u>						
I1: Status: Site Name: Line:	39 Current Unnamed Pit 1				Inserted By: Insert Date: Updated By: Update Date:	MAS migration 29-OCT-02 USGS 29-OCT-02

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
ERTS	LIVINGSTON BAY COMMUNITY	LIVINGSTON BAY SHORE DR	Camano Island WA		880903084
ERTS		LIVINGSTON BAY SHORE DR	Camano WA		880899653
ERTS		LIVINGSTON BAY SHORE DR	Camano Island WA		880986080
ERTS		HWY 532 BRIDGE	Camano Island WA		880938302
SPILLS		LIVINGSTON BAY SHORE DR	CAMANO WA		891764368
<i>Incident ID / Incident Date:</i> 644080					

Unplottable Report

Site: LIVINGSTON BAY COMMUNITY
LIVINGSTON BAY SHORE DR Camano Island WA

ERTS

Incident ID: 661103 **Latitude:**
Incident Date: **Longitude:**
County: ISLAND
Location: LIVINGSTON BAY COMMUNITY

Initial Report Details

Initial Report Substance Name: Undetermined
Initial Report Subst Catego: Historical
Initial Report Subst Quanti:
Initial Report Substance Unit:
Initial Report Medium Name: Undetermined
Initial Report Medium Category: Historical
Initial Report Cause Category: Human error
Initial Report Cause Name: Policy/Procedure; Incorrect
Initial Report Source Name: Domestic
Initial Report Source Category: Private property
Initial Report Activity Name: Other
Initial Report Comment Desc: REPORT RECEIVED VIA ONLINE FORM; RP WISHES TO REMA **Note: Many records provided by the department have a truncated [Initial Report Comment Description] field.

Follow up Details

ERTS Follow up No: 150081
Follow up Substance Name: Undetermined
Follow up Substance Quantity:
Follow up Subst Unit of Meas:
Follow up Cause Name: Policy/Procedure; Incorrect
Follow up Medium Name: Undetermined
Follow up Source Name: Domestic
Follow up Activity Name: Other

Potential Details

Pot Resp Party First Name: U
Pot Resp Prty Last Name: UNKNOWN
Potentially Resp Party Org:

Follow up Comments

Follow up Comment:

ERTS Number 661103 - From: Anderson, Paul S. (ECY)
Sent: Wednesday, February 03, 2016 12:43 PM
To: Pater, David (ECY) <DAPA461@ECY.WA.GOV>
Cc: Stockdale, Erik (ECY) <ESTO461@ECY.WA.GOV>
Subject: RE: Follow up on ERTS 661103

David:

Thanks for following up on this. Diane and I stopped by the neighborhood on Dec. 2nd and we didn't see any evidence of recent work on the bay side of the development. The tide was quite high so we weren't able to walk to shoreline (I did secure permission), but from the parking area at the end of the road, I scanned the full shoreline with my binoculars and did not see any ecology blocks or fill.

We will need more information on specific properties or areas on the site where the alleged work took place before we can do any additional follow-up.

Paul

Paul S. Anderson, PWS
Wetlands/401 Unit Supervisor
Washington State Department of Ecology
3190 - 160th Ave. SE
Bellevue, WA 98008
Phone: (425) 649-7148
Cell: (425) 765-4691
Fax: (425) 649-7098
Email: Paul.S.Anderson@ecy.wa.gov

Follow up Comment:

ERTS Number 661103 - Historic Investigator Contact Information - FirstName: ERIK MiddleName: LastName: STOCKDALE OrganizationName: SHORELANDS AND ENVIRONMENTAL ASSISTANCE WorkLocation: NWRO

Follow up Comment:

ERTS Number 661103 - Historic Referral Contact Information - ReferralDate: 2015-12-01 FirstName: JOHN CLARK MiddleName: LastName: ISLAND CO CODE ENFORCEMENT Email: js.clark@co.island.wa.us PhoneNumber: (360) 678-7809 OrganizationName: Shoreline, Wetlands, Steep Slopes WorkLocation: NWRO

Follow up Comment:

ERTS Number 661103 - Historic Referral Contact Information - ReferralDate: 2015-11-30 FirstName: ERIK MiddleName: LastName: STOCKDALE Email: esto461@ecy.wa.gov PhoneNumber: (425) 649-7096 OrganizationName: SHORELANDS AND ENVIRONMENTAL ASSISTANCE WorkLocation: NWRO

Follow up Comment:

ERTS Number 661103 - Historic Referral Contact Information - ReferralDate: 2015-11-30 FirstName: Frank Nichols MiddleName: LastName: US ARMY CORP OF ENGINEERS - Snohomish Email: frank.T.nichols@usace.army.mil PhoneNumber: (206) 764-6695 OrganizationName: US ARMY CORPS OF ENGINEERS WorkLocation: NWRO

Site:

LIVINGSTON BAY SHORE DR Camano WA

ERTS

Incident ID: 644080
Incident Date: 2013-08-01
County: ISLAND
Location:

Latitude:
Longitude:

Initial Report Details

Initial Report Substance Name: Debris/Garbage
Initial Report Subst Category: Debris
Initial Report Subst Quanti:
Initial Report Substance Unit:
Initial Report Medium Name: Undetermined
Initial Report Medium Category: Historical
Initial Report Cause Category: Human error
Initial Report Cause Name: Dumping
Initial Report Source Name: Illegal dump site
Initial Report Source Category: Environment
Initial Report Activity Name: Land clearing
Initial Report Comment Desc: REPORT RECEIVED VIA ONLINE:

Stripping brier bus **Note: Many records provided by the department have a truncated [Initial Report Comment Description] field.

Follow up Details

ERTS Follow up No: 145484
Follow up Substance Name: Debris/Garbage

Follow up Substance Quantity:
Follow up Subst Unit of Meas:
Follow up Cause Name: Dumping
Follow up Medium Name: Undetermined
Follow up Source Name: Illegal dump site
Follow up Activity Name: Land clearing

Potential Details

Pot Resp Party First Name: BARRY
Pot Resp Prty Last Name: WOOD
Potentially Resp Party Org:

Follow up Comments

Follow up Comment:

ERTS Number 644080 - A site visit was conducted, which concluded in NFA. The site was cleaned up, what machinery was on the property, were on trailers. No oil or hazardous spills were observed on the ground.

Andrea Krohn
Environmental Health Specialist
Solid Waste Coordinator
Island County Public Health
P.O. Box 5000
Coupeville, WA 98239-5000
(360) 679-7309
(360)679-7390 Fax
A.Krohn@co.island.wa.us

Follow up report can be found: X:\NWRO ERTS\ERTS Incident Additional Info\2013\ERTS 644080

Follow up Comment:

ERTS Number 644080 - Historic Investigator Contact Information - FirstName: JILL WOOD MiddleName: LastName: ISLAND CO HEALTH - ALSO USE FOR STORM WATER ISSUES OrganizationName: ISLAND COUNTY WorkLocation: HEALTH DEPARTMENT

Follow up Comment:

ERTS Number 644080 - Historic Referral Contact Information - ReferralDate: 2013-09-24 FirstName: JILL WOOD MiddleName: LastName: ISLAND CO HEALTH - ALSO USE FOR STORM WATER ISSUES Email: EMAIL ISLAND CO HEALTH PhoneNumber: (360) 679-7350 OrganizationName: ISLAND COUNTY WorkLocation: HEALTH DEPARTMENT

Site:

LIVINGSTON BAY SHORE DR Camano Island WA

ERTS

Incident ID: 671408
Incident Date: 2017-03-03
County: ISLAND
Location:

Latitude:
Longitude:

Initial Report Details

Initial Report Substance Name: Manure
Initial Report Subst Catego: Waste
Initial Report Subst Quanti:
Initial Report Substance Unit:
Initial Report Medium Name: Surface water-Fresh
Initial Report Medium Category: Water
Initial Report Cause Category: Human error
Initial Report Cause Name: Unknown
Initial Report Source Name: Dairy
Initial Report Source Category: Farm/Agriculture
Initial Report Activity Name: Unknown
Initial Report Comment Desc: REPORT RECEIVED VIA EMAIL
MAP LOCATED: X:\NWRO ER **Note: Many records provided by the department have a truncated [Initial Report

Comment Description] field.

Follow up Details

ERTS Follow up No:
Follow up Substance Name:
Follow up Substance Quantity:
Follow up Subst Unit of Meas:
Follow up Cause Name:
Follow up Medium Name:
Follow up Source Name:
Follow up Activity Name:

Potential Details

Pot Resp Party First Name: U
Pot Resp Prty Last Name: UNKNOWN
Potentially Resp Party Org:

Initial Comments

Initial Report Comment:

ERTS Number 671408 - REPORT RECEIVED VIA EMAIL
MAP LOCATED: X:\NWRO ERTS\ERTS Incident Additional Info\2017\671408

From: Jody Brown [mailto:jbrown@Stillaguamish.com]
Sent: Monday, March 13, 2017 11:44 AM

For further clarification, the outflow from Roberge Pond was approximately doubling the flow to the creek at the time of sample. The pond has a pump that was operating when the sample was collected.

I attached a map of the sample locations.

From: Jody Brown [mailto:jbrown@Stillaguamish.com]
Sent: Monday, March 13, 2017 10:43 AM
To: Svrjcek, Ralph (ECY) <RSVR461@ECY.WA.GOV>
Subject: High Fecal Counts in Livingston Bay Creek

Ralph,

I understand you are no longer the lead for WRIA 5, but I don't know who your replacement is, so maybe you can pass this along to them.

I received an email from one of the residents on Livingston Bay Shore Drive on 3/2/2017. These gentlemen have often emailed me when they smell odors resembling septic or sewage in the Creek (they refer to as East Culvert Creek) that runs through their community. Several years ago I collected samples from the creek and up where the creek flows under Hwy 532 and got some high results. Anyway, I sampled there again on 3/3/2017, one sample at the creek at Livingston Bay Shore Drive, one sample from the outflow from Roberge Pond (a wetland/retention pond that pumps into the Creek), and one sample in the creek above the outflow from Roberge Pond. I sent the samples to Edge Analytical in Burlington. Here are the results:

East Culvert Creek @ Livingston Bay Shore Drive = 33,000 cfu/100mL
Roberge Pond = 660 cfu/100mL
East Culvert Creek above Roberge Pond = 164,000 cfu/100mL

The residents of the Livingston Bay community have complained about the Dairy Farm to the north of them, on the north side of Hwy 532. If I recall correctly, the last time we reported this, someone from Ecology or maybe it was the Department of Ag, went to the farm and found that their pond was failing, or maybe they were not careful with their spraying techniques. I can't seem to find my previous correspondence to recall what exactly came about of the scenario.

Anyway, these are some high fecal counts and there needs to be follow up by the appropriate regulatory personnel. Please let me know if there is someone else I need to contact with regards to this.

Thanks

Jody Brown
Fisheries/Water Resources Biologist
Stillaguamish Tribe of Indians
22712 6th Ave NE
PO Box 277
Arlington, WA 98223
360.547.2686

Historic Referral Contact Information - ReferralDate: 2017-03-14 FirstName: DISTRIBUTION MiddleName: LIST LastName: ISLAND CO
MANURE/LIVESTOCK Email: EMAIL ISLAND CO MANURE/LIVESTOCK PhoneNumber: OrganizationName: ISLAND CO WorkLocation: NWRO

Historic Referral Contact Information - ReferralDate: 2017-03-14 FirstName: WENDY COLE MiddleName: LastName: DEPARTMENT OF FISH &
WILDLIFE Email: colewdc@dfw.wa.gov PhoneNumber: (360) 466-4345 OrganizationName: DEPT OF FISH & WILDLIFE WorkLocation: NWRO

Site: **HWY 532 BRIDGE Camano Island WA** **ERTS**

Incident ID: 664638 **Latitude:**
Incident Date: 2016-04-28 **Longitude:**
County: ISLAND
Location:

Initial Report Details

Initial Report Substance Name: Hydraulic oil
Initial Report Subst Catego: Oil
Initial Report Subst Quanti: 8
Initial Report Substance Unit: U.S. gallons
Initial Report Medium Name: Impermeable containment
Initial Report Medium Category: Impermeable surface
Initial Report Cause Category:
Initial Report Cause Name:
Initial Report Source Name: Construction/Utility vehicle
Initial Report Source Category: Vehicle
Initial Report Activity Name: Underway or in motion
Initial Report Comment Desc: AFTER HRS REPORT

Bob Cuskelly (Scarsella Constr **Note: Many records provided by the department have a truncated [Initial Report
Comment Description] field.

Follow up Details

ERTS Follow up No:
Follow up Substance Name:
Follow up Substance Quantity:
Follow up Subst Unit of Meas:
Follow up Cause Name:
Follow up Medium Name:
Follow up Source Name:
Follow up Activity Name:

Potential Details

Pot Resp Party First Name:
Pot Resp Prty Last Name:
Potentially Resp Party Org: LENZ ENTERPRISES

Initial Comments

Initial Report Comment:

ERTS Number 664638 - AFTER HRS REPORT

Bob Cuskelly (Scarsella Construction) reported a Lenz Enterprises sweeper truck leaked 8 gallons of hydraulic oil to pavement on the Highway 532
bridge over Davis Slough.

UPDATE 5/2/2016 1326
REPORTING PARTY CALLED ERTS COORDINATOR TO SAY THAT THE SPILL HAD BEEN COMPLETELY CLEANED UP WITH KITTY LITTER ON
THE DAY OF THE NOTIFICATION. THEY WILL COMPLETE THEIR REPORTING DUTIES TO WS DOT.

REPORT LOCATED:
X:\NWRO ERTS\ERTS Incident Additional Info\2016\664638

Site: **LIVINGSTON BAY SHORE DR CAMANO WA** **SPILLS**

Incident ID:	644080	Location:	
Incident Date:		Address:	LIVINGSTON BAY SHORE DR
Latitude:		City:	CAMANO
Longitude:		County:	ISLAND

Spill Information

Incident Date:	8/1/2013
Latitude:	NULL
Longitude:	NULL

Spill Details Historical

Material:	DEBRIS/GARBAGE	Source:	ILLEGAL DUMP SITE
Qty:	NULL	Sheen Only:	0
Medium:	OTHER	Waterway:	NULL
Impact:	NATURAL RESOURCE DAMAGE	Prp Business Name:	NULL
Cause:	DUMPING	Prp First Name:	BARRY
Activity:	LAND CLEARING	Prp Last Name:	WOOD

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

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

National Priority List - Proposed:

PROPOSED NPL

Sites proposed by the United States 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 are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

Deleted NPL:

DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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 are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 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: Mar 27, 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: Mar 27, 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: Apr 8, 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: Apr 8, 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: Apr 8, 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: Apr 8, 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: Apr 8, 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: Apr 8, 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: Apr 8, 2024

Federal Engineering Controls-ECs:[FED ENG](#)

List of Engineering controls (ECs) made available 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: Jun 26, 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: Jun 26, 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

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of 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.

Government Publication Date: Apr 22, 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: Apr 28, 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**

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Feb 28, 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: Mar 27, 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: Mar 27, 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**Hazardous Sites List:****HSL**

Washington State Department of Ecology (DEC) records of sites that have been assessed and ranked using the Washington Ranking Method (WARM score) - a number between 1 and 5, where a score of 1 represents the highest level of risk and 5 the lowest. Some factors that enter into site hazard ranking include: the amount and type of contaminants present; how easily contaminants could come into contact with people and the environment; and the level of public concern. This database is state equivalent NPL.

Government Publication Date: Jun 10, 2024

Confirmed and Suspected Contaminated Sites List:**CSCSL**

This list of Confirmed and Suspected Contaminated Sites is made available by the Washington State Department of Ecology (DEC). The listing includes sites being cleaned up, waiting to be cleaned up, or that need more investigation. Most contaminated sites are handled by the DEC's Toxics Cleanup Program and are cleaned up under Washington's environmental cleanup law, the Model Toxics Control Act (MTCA). Property owners may clean up sites independently or under DEC supervision; the DEC can also clean up sites. This database is state equivalent CERCLIS.

Government Publication Date: Jun 10, 2024

Delisted Confirmed and Suspected Contaminated Sites:

DELISTED SHWS

This database contains a list of Confirmed & Suspected Contaminated Sites that were removed from the Washington State Department of Ecology (DEC).

Government Publication Date: Jun 10, 2024

No Further Action Sites List:

CSCSL NFA

A list of sites previously on the Washington State Department of Ecology (DEC) Confirmed and Suspected Contaminated Sites List (CSCSL) that have received a No Further Action (NFA) determination.

Government Publication Date: Jun 10, 2024

Solid Waste Facility Database:

SWF/LF

List of permitted solid waste and landfill facilities made available by the Washington Department of Ecology (DEC).

Government Publication Date: Feb 6, 2024

Recycling Facilities:

RECYCLERS

The Washington State Department of Ecology maintains this database of recycling opportunities available in Washington State.

Government Publication Date: Jun 20, 2024

Solid Waste Tire Facilities:

WASTE TIRE

The Washington State Department of Ecology maintains this database of waste tire recycling opportunities available in Washington State.

Government Publication Date: May 23, 2024

Leaking Underground Storage Tank (LUST) List:

LUST

Leaking Underground Storage Tank (LUST) list made available by the Washington Department of Ecology (DEC) contains information about underground storage tank facilities that require cleanup and their cleanup history.

Government Publication Date: Jun 10, 2024

Petroleum Technical Assistance Program Projects:

LUST PTAP

Under the State of Washington's cleanup law, qualifying petroleum contaminated sites can apply for the Pollution Liability Insurance Agency's (PLIA) Technical Assistance Program (TAP). The TAP assists underground storage tank (UST) owners and operators with advice and guidance on petroleum cleanups associated with eligible gasoline/diesel UST systems or heating oil tank systems. For TAP Projects, the PLIA only accepts gasoline/diesel sites that do not impact surface water or sediment and are not co-mingled with other, non-petroleum contaminants. Opinion letters are provided which may issue a No Further Action (NFA), Further Action (FA), or Partial Sufficiency (PS) based on the PLIA's review and the requirements of the state cleanup regulations, chapter 173-340 WAC, the Model Toxics Control Act (MTCA). For completed cleanups which meet MTCA requirements, an NFA opinion is issued which may be helpful with property transfers.

Government Publication Date: May 28, 2024

UST Loan and Grant Program:

UST LOAN

List of sites that have applied to the Pollution Liability Insurance Agency's (PLIA) UST Loan and Grant Program. PLIA partners with the Washington State Department of Health (DOH) to provide loans or grants to owners or operators of underground storage tank (UST) facilities, who wish to: upgrade/replace infrastructure, clean up contamination, or close a UST. Within the program, PLIA provides oversight and technical assistance, while the DOH operates the lending/repayment process.

Government Publication Date: May 28, 2024

Heating Oil Technical Assistance Program:

LST HOT

Within the Pollution Liability Insurance Agency's (PLIA) various programs, the Heating Oil Technical Assistance Program (HOTAP) provides assistance to owners and operators of active and abandoned heating oil tanks if there is a suspected release or contamination. PLIA provides services including: written opinions, observations of testing, site assessments, and reviews of the results of reports and other appropriate activities. Information in some records has been redacted by the Pollution Liability Insurance Agency under Washington State Legislature RCW 70.149.080. As of March 4, 2022 the PLIA stopped maintaining this list.

Government Publication Date: Jun 22, 2022

Underground Storage Tanks:

UST

List of Underground Storage Tanks (USTs) made available by Washington Department of Ecology (DEC). The DEC regulates tanks at facilities including gas stations, industries, commercial properties and governmental entities. The DEC works to ensure these tanks are installed, managed, and monitored in a manner that prevents releases into the environment.

Government Publication Date: Jun 10, 2024

Delisted Leaking Storage Tanks:

DELISTED LST

List of leaking storage tanks made available by the Washington Department of Ecology (DEC). A record would be removed if it violated the Facility Oil Handling Standards. This list contains all the records that been removed from the storage tank list.

Government Publication Date: Jun 10, 2024

Aboveground Storage Tanks:

AST

List of aboveground storage tanks (ASTs) made available by the Washington Department of Ecology (DEC). This list includes many of the largest petroleum containing ASTs in Washington state, but there are many ASTs in many different types of services (including, for example, hydrocarbon storage), that are not subject to regulation and are not registered by the DEC. There is no inclusive AST regulation in Washington state, and the Department of Ecology ceased maintenance of this list in December 2015.

Government Publication Date: Dec 14, 2015

Spills Program Regulated Facilities:

AST SPL PREV

List of Class 1, 2, 3, and 4 regulated facilities. The Washington Department of Ecology regulates the equipment and oil transfer, storage, and handling at facilities to ensure environmental and public health. Depending on their classification (Class 1 Large facilities such as refineries, refueling terminals, and pipelines; Class 2 and Class 3 facilities that transfer oil; and Class 4 Marinas and other facilities that transfer oil to non-recreation vessels with a fuel capacity of less than 10,500 gallons), these facilities are required to have some type of spill prevention plan.

Government Publication Date: Apr 12, 2024

Delisted Storage Tanks:

DELISTED TNK

List of aboveground storage tanks made available by the Washington Department of Ecology (DEC). A record would be removed if it violated the Facility Oil Handling Standards. This list contains all the records that been removed from the storage tank list.

Government Publication Date: Jun 10, 2024

Environmental Covenants Institutional Controls:

INST

List of sites that have institutional controls or environmental covenants (64.70 RCW Uniform Environmental Covenants Act) made available by the State of Washington Department of Ecology. Institutional controls are administrative or legal measures used to prevent activities that may compromise the integrity of a cleanup action. They are meant to prevent exposure to contamination remaining on site. Institutional controls may include environmental covenants (also known as 'deed restrictions'), zoning restrictions, public health advisories, or other administrative tools. The most common institutional control is an environmental covenant. Environmental covenants are legal recorded documents that typically limit certain uses of the property.

Government Publication Date: Jun 10, 2024

Voluntary Cleanup Program:

VCP

List of sites under the Voluntary Cleanup Program (VCP) made available by the Washington Department of Ecology (DEC). The VCP is an option for cleaning up hazardous waste sites under the state's cleanup law.

Government Publication Date: Jun 10, 2024

Brownfields Program:

BROWNFIELDS

List of Brownfields sites made available by the Washington Department of Ecology (DEC). Brownfield sites are abandoned or underused properties where potential liability due to environmental contamination and cleanup costs complicate re-development efforts.

Government Publication Date: Jun 10, 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 Washington, 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 Washington, 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).

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 databases were selected to be included in the search.

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: May 9, 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: Apr 26, 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: Jun 20, 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: Apr 1, 2024

SSEHRI PFAS Contamination Sites:

PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by 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, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. 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: May 19, 2023

National Response Center PFAS Spills:

ERNS PFAS

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: Apr 17, 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: May 6, 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.

Perfluorinated Alkyl Substances (PFAS) Water Quality:

[PFAS WATER](#)

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

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: Apr 29, 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: Jul 1, 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: Apr 22, 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, Title 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: Apr 30, 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

State

PFAS Confirmed or Suspected Contaminated Sites:

PFAS CONF-SUSP

This list of sites with confirmed or suspected Per- and Polyfluoroalkyl Substances (PFAS) contamination is made available by the Washington Department of Ecology (DEC). The contaminant-filtered list contains information on applicable sites that are undergoing cleanup and sites that are awaiting further investigation and/or cleanup. Sites on this list have received an Initial Investigation; when sites receive a No Further Action determination, they are removed from this list.

Government Publication Date: Apr 19, 2024

Spills Incidents Sites:

SPILLS

List of spills and/or releases reported to the Washington Department of Ecology (DEC).

Government Publication Date: Apr 15, 2024

Reported Spills to Water:

SPILLS WATER

A list of reported spills to water of one gallon or more made available by the Washington Department of Ecology.

Government Publication Date: Apr 12, 2024

Facility/Site Identification System:

ALL SITES

The Facility/Site Identification System made available by the Department of Ecology (DEC) provides a central repository of key information for each facility/site of interest to DEC. The DEC has defined a facility/site as an operation at a fixed location that is of interest to the agency because it has an active or potential impact upon the environment.

Government Publication Date: Apr 15, 2024

Environmental Report Tracking System (ERTS):

ERTS

A list of incidents from the Environmental Report Tracking System (ERTS), used by various programs within the Washington Department of Ecology (DEC) to track incidents and activities. This list is made available by the Washington Department of Ecology (DEC).

Government Publication Date: Mar 6, 2024

Independent Cleanup Reports:

ICR

List of facilities in remedial action reports received by the Washington Department of Ecology (DEC) from either the owner or operator of the site. These actions have been conducted without department oversight or approval and are not under an order or decree. Independent Cleanup is historical terminology for Voluntary Cleanup; this data is no longer updated, current records can be found in Voluntary Cleanup.

Government Publication Date: Nov 6, 2015

Registered Drycleaners List:

DRYCLEANERS

A listing of registered drycleaner facilities maintained by the Department of Ecology.

Government Publication Date: Jul 11, 2024

Delisted Drycleaners:

DELISTED DRYCLEANERS

Sites which once appeared on the list of registered drycleaner facilities made available by the Department of Ecology.

Government Publication Date: Jul 11, 2024

Tier 2 Report:

TIER 2

List of facilities that report storage of hazardous chemicals or materials to the Department of Ecology's Hazardous Waste and Toxics Reduction Program under the Emergency Planning and Community Right to Know Act (EPCRA).

Government Publication Date: Dec 22, 2023

Clandestine Drug Lab Sites:

CDL

A list of Clandestine Drug Lab sites made available by the Washington Department of Health.

Government Publication Date: May 7, 2024

Clandestine Drug Lab Sites - Historical Listing:

HIST CDL

List of Clandestine Drug Lab sites reported to the Department of Health from local health departments. This list contains sites that are not in the current list.

Government Publication Date: until 2007

Air Permitted Facilities:

AIR PERMITS

This list of air emissions inventory is a point source summary of individual inventories from facilities with air operating permits. This list is maintained by the Washington Department of Ecology.

Government Publication Date: Mar 8, 2024

Underground Injection Control Wells:

UIC

The Water Quality Program of the Washington State Department of Ecology (DEC) maintains this water quality permit database that includes Underground Injection Control (UIC) wells. According to the DEC, UIC wells are manmade structures used to discharge fluids into the subsurface. Examples are drywells, infiltration trenches with perforated pipe, and any structure deeper than the widest surface dimension. The majority of UIC wells in Washington are used to manage storm water and sanitary waste, return water to the ground, and help clean up contaminated sites. The potential for groundwater contamination from injection wells depends upon well construction and location; quality of the fluids injected; and the geographic and hydrologic settings in which the injection occurs.

Government Publication Date: May 31, 2024

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental databases were selected to be included in the search.

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.