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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Tumbling Ridge
Site Number: WA7091
520 Jenkins Drive
Cle Elum, Washington
Kittitas County

Prepared for:

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1.0 EXECUTIVE SUMMARY

This report documents the findings of the Phase I Environmental Site Assessment (ESA) performed by Martin Environmental Solutions Inc (MartinEnviro) for a proposed telecommunications tower facility to be located at 520 Jenkins Drive, Cle Elum, Kittitas County, Washington (*Subject Property*). Weis Towers, LLC is planning to develop the *Subject Property*, identified as Tumbling Ridge, Site Number WA7091, which is to be developed with a 190-foot self-support telecommunication tower that is located within a 17.74 acre parcel of land.

The purpose of this Phase I ESA was to assess existing site conditions and render an opinion as to the identified or potential presence of *recognized environmental conditions* in connection with the *Subject Property* in accordance within the scope and limitations of *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, American Society for Testing and Materials Practice E 1527-21 (ASTM Practice E 1527-21) and the limitations identified herein. Exceptions to or deletions from the scope of work are described in Section 2.0.

1.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the *Subject Property*.

1.2 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of *historical recognized environmental conditions* in connection with the *Subject Property*.

1.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of *controlled recognized environmental conditions* in connection with the *Subject Property*.

1.4 DE MINIMIS CONDITIONS

This assessment has revealed no evidence of *de minimis conditions* in connection with the *Subject Property*.

1.5 WETLANDS

MartinEnviro identified no potential wetland areas within approximately 300 feet of the *Subject Property*; however, a wetland delineation was not within the scope of work.

1.6 FLOODPLAIN

MartinEnviro's review of the National Flood Hazard Layer (NFHL) dataset, the *Subject Property* is located within an area of minimal flooding with a less than 1% chance of flooding each year. A floodplain determination is not within the scope of services of this assessment.

1.7 RECOMMENDATIONS

Based on the information gathered during this assessment, it is MartinEnviro's opinion that no further investigation is warranted at this time.

1.8 GENERAL COMMENTS

These conclusions are based on the review of available historical and regulatory records, analysis of available historical aerial photographs, topographic maps, wetland maps, soil maps, review of available environmental records, site reconnaissance of the site and surrounding areas, and interviews with available personnel. These conclusions are not subject to contamination that is hidden, unpublished, or otherwise unknown using standard Phase I ESA methodology.

It should be noted that this section is only intended to represent a brief summary of the findings and does not represent a detailed account of all the information compiled in preparation of this report. The report should be reviewed in its entirety to understand environmental conditions associated with the *Subject Property*.

2.0 INTRODUCTION

On October 15, 2024, Weis Towers, LLC retained MartinEnviro to perform a Phase I ESA on the site identified as Tumbling Ridge, Site Number WA7091. This report presents the details and results of a Phase I ESA performed on the *Subject Property*.

2.1 PURPOSE

The purpose of this Phase I ESA was to identify through appropriate inquiry the environmental condition of the *Subject Property* with regard to *recognized environmental conditions*, and to permit a user to satisfy one of the requirements to qualify for the innocent landowner defense with respect to the range of contaminants listed within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products; that is, the practices that constitute all appropriate inquiry into the previous ownership and uses of the *Subject Property* consistent with good commercial or customary practice as defined in 42 USC §9601(35B). The assessment was conducted in accordance with the format.

2.2 SPECIAL TERMS AND CONDITIONS

Martin Environmental Solutions Inc (MartinEnviro) conducted this assessment following the methodology provided in the *Practice for Environmental Site Assessments: Phase I ESA Process, American Society for Testing and Materials (ASTM) E 1527-21 (ASTM Practice E 1527-21)*. This ESA is intended to meet the standard of appropriate inquiry necessary to qualify for the innocent landowner defense of CERCLA. For this ESA, the term *appropriate inquiry* is that inquiry constituting "*all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice*" as defined in CERCLA, 42 USC §9601 (35)(B). This appropriate inquiry is one of the criteria that will give a party to a commercial real estate transaction the innocent landowner defense to CERCLA liability 42 USC §9601 (A) and (B), and 42 USC §9607 (b)(3), assuming compliance with other elements of the defense.

Petroleum products are included within the scope of this ESA because they are of concern with respect to many parcels of commercial real estate and current custom and usage is to include an inquiry into the presence of petroleum products when doing an environmental site assessment of commercial real estate. This inclusion of petroleum products is not based upon the applicability of CERCLA to petroleum products.

The term *recognized environmental conditions* is defined as the presence of hazardous substances or petroleum due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products due to a likely release to the environment; or (3) the presence of hazardous substances or petroleum products under conditions that pose a material threat of a future release to the environment. This term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.

Recognized environmental conditions may include, but are not limited to, the following:

- Hazardous substances and petroleum products under conditions that indicate an existing release, a past release, or a material threat of release;
- Underground storage tanks (USTs);
- Aboveground storage tanks (ASTs);
- Drums or chemical containers;
- Unidentifiable materials or containers;
- Unusual or suspect odors or staining;
- The presence of stressed or discolored vegetation;
- Floor drains or sumps;
- Pits, ponds, lagoons, septic tanks, drainfields, or waste pits;
- Polychlorinated Biphenyls (PCBs) or PCB-containing equipment;
- Solid waste disposal;
- Sunken or depressed areas indicating possible disposal areas; and
- Water wells.

Other definitions and acronyms used in this assessment are included in Appendix A.

2.3 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

This ESA report is limited to the information obtained. No guarantee or warranty of the findings and conclusions is implied within the intent of this report or any subsequent reports, correspondence, or consultation, either expressed or implied. The user should recognize that the services performed for the assessment were conducted in accordance with the local standard of care in the geographic region at the time these services were rendered.

This ESA report is not a comprehensive site characterization, and should not be construed as such. As stated in ASTM Practice E 1527-21, there may be environmental issues or conditions at a property that are outside the scope of this practice which parties may wish to assess in connection with commercial real estate. ASTM Practice E 1527-21, Section 13, identifies, for informal purposes, certain environmental conditions that are beyond the scope of the practice. Following are several non-scope considerations:

- Asbestos-containing materials;
- Radon;
- Lead-based paint;
- Lead in drinking water;
- Wetlands;
- Health and safety;

- Industrial hygiene and/or indoor air quality;
- Endangered species;
- Ecological resources;
- Biological agents; and
- Mold

No implication is intended as to the relative importance of inquiry into the above list of non-scope considerations and the list is not intended to be all inclusive. The listed non-scope items are not included in the CERCLA definition of hazardous substances or otherwise present potential CERCLA liability. In addition, a determination of compliance with Activity and Use Limitations (AULs) is beyond the scope of this practice.

2.4 LIMITING CONDITIONS AND METHODOLOGY USED

MartinEnviro performed this ESA according to the scope and format recommended in the ASTM Practice E 1527-21. The findings and conclusions presented in this report are based on the results of the site reconnaissance, review of the specified regulatory records, review of available historical reports, and interviews with the property owner(s) or a designated representative. The absence of significant indicators, which suggest that hazardous substances, petroleum products, or PCBs have environmentally impacted the *Subject Property*, does not preclude the presence of these materials at the site. The findings in this report are also limited by the potential for the presence of hazardous substances or other conditions that are buried, covered by vegetation, or otherwise obstructed from view.

2.5 METHODOLOGY

This Phase I ESA report consists of the following components:

- Visual inspection of the *Subject Property* and adjoining properties (site reconnaissance);
- Interviews with property owner(s) or a designated representative;
- Review of selected federal, tribal, state and local governmental records;
- Review of available historical and regulatory records;
- Review of historical aerial photographs, topographic maps, wetland maps, and soil maps;
- Review of environmental records and permits; and
- Report of findings and conclusions.

The ESA site visit was conducted by Ms. Victoria Feist, with senior technical review performed by Mr. Tom Martin and Ms. Melissa Kennedy. These Environmental Professionals are experienced in conducting Phase I ESAs and related due diligence services. In addition to the site visit, MartinEnviro's investigation included

reconnaissance of adjacent properties, background research, and review of available local, state, and federal regulatory records regarding the presence of unauthorized releases of environmentally hazardous substances at or in the vicinity of the *Subject Property*. MartinEnviro also conducted interviews with appropriate regulatory personnel as necessary. An All Appropriate Inquiry (AAI) user Questionnaire was provided to the user. In this questionnaire, MartinEnviro requested title records as well as information pertaining to whether or not any environmental liens or activity and use limitations were associated with the *Subject Property*. The purpose of this questionnaire was to satisfy the user interview AAI requirements, disclose any previous or existing hazardous waste or toxic material conditions, which may not have been apparent at the time of our site reconnaissance.

The site reconnaissance, interviews, and records review are intended to be used in concert with each other. Additional sources may be utilized if information from one source indicates the need to provide additional information.

2.6 USER RELIANCE

This report was prepared for and may be relied upon by Weis Towers, LLC, its affiliates, subsidiaries, successors, and/or assigns. Any rating agency, issuer, purchaser, or underwriter of any security collateralized or otherwise backed by the property that is the subject of this report or any loans placed upon the property may further rely upon the report. We also consent to the inclusion of this report in any form, whether in paper or digital format, including any electronic media such as CD-ROM or the internet, in the Prospectus Supplement relating to any securitization transaction, and we consent to the reference to our firm under the caption "Experts" in such Prospectus Supplement.

3.0 SITE DESCRIPTION

3.1 PROPERTY LOCATION

The *Subject Property* is identified as Tumbling Ridge, Site Number WA7091, located at 520 Jenkins Drive, Cle Elum, Kittitas County, Washington. A location map is provided in Appendix B. The North American Datum 1983 (NAD83) latitude and longitude provided by the client for the *Subject Property* are 47° 11' 16"N and 121° 01' 14"W, respectively. Dates of critical components of the investigation are summarized in Table 3.1 below.

Activities	Date
Site Assessment Conducted on	October 29, 2024
Regulatory Radius Report	October 18, 2024
Historical Resources Search	October 21, 2024
Lien Search Date	N/A
Freedom of Information Date	October 25, 2024
Report Date	November 5, 2024

3.2 PROPERTY DESCRIPTION

According to available information, the *Subject Property* is to be improved with a 190-foot self-support tower within with the western portion of a 17.74-acre parcel. Information obtained from the Kittitas County Assessors Department indicates that the Parent Parcel, Parcel Number 952139, is an approximate 17.74-acre tract of land owned by Tumbling Ridge LLC. Client-provided documentation and property information from the state is included in Appendices C and D, respectively.

3.3 SURROUNDING LAND USE

Development of land in the vicinity of the *Subject Property* was noted to help identify potential sources of hazardous waste generation and/or facilities involved in the handling or transportation of hazardous materials. The *Subject Property* is located in a rural setting characterized by woodlands with sparse development. The following table provides a summary of surrounding property usage.

Direction	Adjacent Properties	Surrounding Properties
North	A grass covered path and woodlands (Parent Parcel)	Woodlands, followed by a transmission line corridor, followed by woodlands and Jenkins Drive, followed by woodlands, followed by Cle Elum River

Table 3.2 – Surrounding Land Use Summary

Direction	Adjacent Properties	Surrounding Properties
South	A grass covered path and woodlands (Parent Parcel)	Woodlands, followed by a local access road, followed by woodlands, followed by Interstate 90, followed by woodlands
East	Woodlands (Parent Parcel)	Woodlands and a local access road, followed by Jenkins Drive, followed by a grass and tree covered area, followed by Bullfrog Road, followed by woodlands, followed by Cle Elum River
West	Woodlands (Parent Parcel)	Woodlands, followed by a transmission line corridor, followed by woodlands and Yakima River

A review of available environmental records indicated none of the adjacent and/or neighboring properties appeared to present potentially significant environmental concerns to the *Subject Property* at the time of the site investigation.

3.4 PHYSICAL SITE SETTING

3.4.1 Topography

The *Subject Property* and the surrounding areas display an undulating topography with a decrease in elevation to the southeast. According to the United States Geological Survey (USGS) Ronald, Washington 7.5 Minute Series topographic map, the topographic elevation at the *Subject Property* is approximately 2,315 feet above mean sea level (AMSL). Typically, the regional groundwater flow gradient travels in correlation with surface topography; therefore, based on interpretation of the USGS topographic map and site observations, the groundwater is predicted to travel in a northwesterly direction. However, actual groundwater flow direction is often locally influenced by underground structures, seasonal fluctuations, soil and bedrock geology, and other factors beyond the scope of this study. The depth to the groundwater is unknown at this time. A topographic map obtained from Environmental Risk Information Services is provided in Appendix E.

3.4.2 Surface Waters

MartinEnviro observed no surface water at the *Subject Property*. The nearest significant naturally occurring water body is Cle Elum River, located approximately 0.29 miles northwest of the *Subject Property*.

3.4.3 Wetlands

According to the National Wetlands Inventory map, obtained from the United States Fish and Wildlife Services (USFWS), the *Subject Property* is not located in a nationally recognized wetlands area. A map is provided in Appendix F. Based upon visual observations, MartinEnviro did not observe wetlands indicators, such as evidence of ponding or hydrophytic vegetation, on the *Subject Property*. The delineation of possible wetlands was not within the scope of services of this assessment.

3.4.4 Floodplain

MartinEnviro reviewed a map obtained from the United States Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL). The NFHL dataset represents the current effective flood data and is a compilation of effective Flood Insurance Rate Map (FIRM) databases and Letters of Map Change (LOMCs). Based on the review, the *Subject Property* is located in Zone X, areas of minimal flooding with a less than 1% chance of flooding each year. Documentation is provided in Appendix F. A floodplain determination is not within the scope of services of this assessment.

3.4.5 Soils and Geology

According to the Soil Survey of Kittitas County, Washington, issued by the United States Department of Agriculture, Soil Conservation Service, the soils on the *Subject Property* are classified as Bograp ashy sandy loam, 45 to 65 percent slopes. The Bograp series consists of very deep, well drained soils formed in colluvium and residuum from basalt mixed with volcanic ash in the surface. Bograp soils are mountain side slopes. Permeability is moderately slow, and the surface runoff is medium.

3.5 SITE IMPROVEMENTS

MartinEnviro observed the *Subject Property* and Parent Parcel to consist of mountainous woodlands, which is to be developed with a 190-foot self-support tower. MartinEnviro accessed the *Subject Property* from Jenkins Drive via an unimproved access road then a dirt and grass covered path, which approached the site from the south. A site plan is provided in Appendix G.

3.6 CURRENT PROPERTY USE

The *Subject Property* is an undeveloped wooded area. The current on-site activities are not suspected to have degraded the environmental quality of the *Subject Property*.

4.0 HISTORICAL SUMMARY

Review of historical record sources for the vicinity of the *Subject Property* included review of historical aerial photographs, topographic maps, and interviews with people with specialized knowledge regarding the *Subject Property*. These sources were referenced back from 1942 for information related to past uses of the site, as well as *historically recognized environmental conditions*.

The *Subject Property* and Parent Parcel have consisted of mountainous woodlands since at least 1942; however, the northeastern portion of the Parent Parcel has been continuously traversed by Jenkins Drive. Adjacent and surrounding properties have been sparsely developed since at least 1961, which has slightly increased since that time.

4.1 HISTORICAL USE INFORMATION REVIEW

4.1.1 Aerial Photographs

Aerial photographs frequently provide visual documentation of site conditions at the time of the photographs. Activities such as dumping or industrial use of a property can often be discerned through the examination of aerial photographs. MartinEnviro reviewed aerial photographs obtained through Environmental Risk Information Services. The following is a summary of the aerial photographs reviewed.

Year	<i>Subject Property</i>	Adjacent and Surrounding Properties
1942	No structures are apparent on the <i>Subject Property</i> or Parent Parcel.	A road in the location of the present-day Jenkins Drive is apparent approximately 875 feet to the west and a road in the location of the present-day Bullfrog Road is apparent approximately 0.20 miles to the west of the <i>Subject Property</i> . Additionally, an area that resembles a present-day transmission line corridor is apparent approximately 0.20 miles north of the <i>Subject Property</i> . No structures are apparent on the aerial photograph.
1954	No significant change	A road in the location of the present-day Interstate 90 is apparent approximately 0.30 miles south of the <i>Subject Property</i> .
1957	No significant change	No significant change
1979	No significant change	No significant change
1983	No significant change	No significant change
1990	No significant change	No significant change

Year	Subject Property	Adjacent and Surrounding Properties
1998	No significant change	No significant change
2003	No significant change	Sparse development is apparent throughout the surrounding areas.
2004	No significant change	No significant change
2005	No significant change	No significant change
2006	No significant change	No significant change
2009	No significant change	No significant change
2011	No significant change	No significant change
2013	No significant change	No significant change
2015	No significant change	No significant change
2017	No significant change	No significant change
2019	No significant change	No significant change
2020	No significant change	A slight increase in development is apparent throughout the surrounding areas.
2021	No significant change	No significant change

MartinEnviro's review of the aerial photographs did not reveal environmental concerns regarding the *Subject Property* or surrounding properties. Aerial photographs are provided in Appendix H.

4.1.2 Fire Insurance Maps

MartinEnviro did not review Fire Insurance Maps due to the *Subject Property* being located within a rural setting with no immediately adjacent commercial or industrial development. MartinEnviro does not expect the lack of reviewable fire insurance maps to alter the conclusion or recommendations set forth.

4.1.3 Historical Topographic Maps

Changes in the landscape, as well as activities that have the potential to impact the environment of the *Subject Property* may be determined through the examination of historical topographic maps. MartinEnviro reviewed topographic maps for the *Subject Property* and surrounding areas obtained through Environmental Risk Information Services. The following is a summary of the topographic maps reviewed.

Table 4.2 – Topographic Map Review Summary		
Year	Subject Property	Adjacent and Surrounding Properties
1961	No structures are depicted on the <i>Subject Property</i> or Parent Parcel.	A road in the location of the present-day Jenkins Drive is depicted approximately 875 feet to the west and a road in the location of the present-day Bullfrog Road is depicted approximately 0.20 miles to the west of the <i>Subject Property</i> . Additionally, a transmission line corridor is depicted approximately 0.20 miles north of the <i>Subject Property</i> . Sparse development is depicted throughout the surrounding areas.
1989	No significant change	A road in the location of the present-day Interstate 90 is depicted approximately 0.30 miles south of the <i>Subject Property</i> . An increase in development is depicted throughout the surrounding areas.
2003	No significant change	No significant change
2017	No structures are depicted on the topographic map.	No structures are depicted on the topographic map; however, roadway improvements are consistent with present-day configurations.
2020	No structures are depicted on the topographic map.	No structures are depicted on the topographic map; however, roadway improvements are consistent with present-day configurations.

MartinEnviro’s review of the topographic maps did not reveal environmental concerns regarding the *Subject Property* or surrounding properties. The topographic maps are included in Appendix E.

4.1.4 City Directories

MartinEnviro did not review City Directories due to the *Subject Property* being located within a rural setting with no immediately adjacent commercial or industrial development. MartinEnviro does not expect the lack of reviewable city directories to alter the conclusion or recommendations set forth.

4.2 PRIOR REPORTS

The client provided no historical environmental reports to MartinEnviro for review.

4.3 INFORMATION PROVIDED BY USER

4.3.1 Title Records (Chain of Title)

No title records were provided to MartinEnviro during the course of this investigation. MartinEnviro does not expect the lack of title records to alter the conclusions and/or recommendations set forth in this assessment.

4.3.2 Environmental Liens or Activity and Use Limitation

The client provided no information regarding environmental liens or limited property use associated with the *Subject Property*, nor did MartinEnviro discover readily available information during the course of the investigation.

4.3.3 Specialized Knowledge

The client did not provide information regarding specialized knowledge of environmental conditions associated with the *Subject Property*, nor was such information readily available during the course of the assessment.

4.3.4 Valuation Reduction for Environmental Issues

No information regarding valuation reductions associated with the *Subject Property* was brought to the attention of MartinEnviro or was readily available during the course of the assessment.

4.4 INTERVIEWS

4.4.1 Property Owner, Occupant, and User

An interview with individuals knowledgeable about the *Subject Property* can provide information regarding specialized knowledge of environmental liens, Activity and Use Limitations (AULs), storage of chemicals, spills, environmental cleanups, contamination, or other information pertinent to environmental conditions at the *Subject Property*.

MartinEnviro was not provided with current property owner contact information; therefore, a property owner interview was not conducted. MartinEnviro does not anticipate the lack of an interview significantly to alter the findings of this assessment.

4.4.2 Fire Officials

MartinEnviro submitted a Freedom of Information Act (FOIA) request to the local fire department for information regarding evidence of USTs and the storage, use or disposal of hazardous materials for the *Subject Property* and Parent Parcel; however, a response had not been received at the time this report was prepared. Should MartinEnviro receive information that significantly would alter the findings and conclusions, a revised report will be issued. MartinEnviro does not anticipate the lack of a fire department interview to alter significantly the findings of this assessment. The record of communication is included in Appendix I.

4.4.3 Building Department

MartinEnviro submitted a Freedom of Information Act (FOIA) request to the local building department for information associated with building permits and/or building violations on the *Subject Property* or Parent Parcel; however, a response had not been received at the time this report was prepared. Should MartinEnviro receive information that significantly would alter the findings and conclusions, a revised report will be issued. MartinEnviro does not anticipate the lack of a building department interview to alter significantly the findings of this assessment. The record of communication is included in Appendix I.

5.0 RECORD REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES, FEDERAL, AND STATE

MartinEnviro obtained a Computerized Environmental Report (CER) from Environmental Risk Information Services. The CER is a listing of sites identified on select standard-source federal and state environmental databases within the approximate minimum search distance as specified by ASTM Practice E 1527-21. MartinEnviro reviewed each environmental database to determine if certain sites identified in the CER are suspected to represent a negative environmental impact to the *Subject Property*.

Table 5.1 provides a summary of the records from the various government agency databases utilized for this ESA. Table 5.2 presents a summary of the relevant information obtained during the CER review. The complete CER, including a detailed description of each database, is provided in the Appendix J. MartinEnviro's review of the CER revealed that the *Subject Property* is not listed on the various governmental agency databases and that there were no environmental concerns regarding the *Subject Property* or surrounding properties at this time.

One (1) unplottable site was listed in the CER. Unplottable sites are facilities that are not listed in the database report due to a lack of geocoding information. MartinEnviro reviewed the available information for the unplottable sites and determined that none of the sites were located within either the ASTM-specified search radius of the *Subject Property* or in close proximity to the *Subject Property*.

Table 5.1 – Environmental Database Search Criteria		
Database	AMSD (miles)	Number of Sites
STANDARD ENVIRONMENTAL RECORDS		
Federal		
NPL – National Priority List	1.00	0
Proposed NPL – Proposed National Priority List	1.00	0
Deleted NPL – Deleted National Priority List	0.50	0
SEMS – Superfund Management Enterprise 8R Active Site Inventory	0.50	0
SEMS Archive – Superfund Management Enterprise Archive Sites	0.50	0
CERCLIS – Comprehensive Environmental Response, Compensation, and Liability Information System	0.50	0
CERL NFRAP – CERCLIS No Further Remedial Action Planned	0.50	0
CERCLIS Liens – Federal Superfund Liens	<i>Subject Property and Parent Parcel</i>	0

Table 5.1 – Environmental Database Search Criteria		
Database	AMSD (miles)	Number of Sites
CORRACTS – RCRA Corrective Action Reports	1.00	0
RCRA-TSD – Treatment, Storage, and Disposal Facility	0.50	0
RCRA-LOG – Large Quantity Generator	0.25	0
RCRA-SQG – Small Quantity Generator	0.25	0
RCRA-CESQG – Conditionally Exempt Small Quantity Generator	0.25	0
RCRA-NonGen – Non-Generator	0.25	0
Eng – Engineering Control Sites	0.50	0
Inst – Institutional Control Sites	0.50	0
ERNS 1982 to 1986 – Emergency Response Notification System	<i>Subject Property and Parent Parcel</i>	0
ERNS 1987 to 1989 – Emergency Response Notification System	<i>Subject Property and Parent Parcel</i>	0
ERNS – Emergency Response Notification System	<i>Subject Property and Parent Parcel</i>	0
Brownfields – Federal Brownfields Database	0.50	0
FEMA UST – Federal Emergency Management Agency Underground Storage Tanks	0.25	0
State		
HSL – Hazardous Sites List	1.00	0
CSCSL – Confirmed and Suspected Contaminates Sites List	1.00	1
Delisted SHWS – Delisted Confirmed and Suspected Contaminated Sites	1.00	0
CSCSL NFA – No Further Action Sites List	0.50	0
SWF/LF – Solid Waste Facilities and Landfills	0.50	0
LUST – Leaking Underground Storage Tanks	0.50	0
Delisted LST – Delisted Leaking Storage Tanks	0.50	0
UST – Underground Storage Tanks	0.25	0
AST – Aboveground Storage Tanks	0.25	0
Delisted Tnk – Delisted Storage Tanks	0.25	0
Eng – Environmental Covenants, Engineering Controls	0.50	0
Inst – Environmental Covenants, Institutional Controls	0.50	0
VCP – Voluntary Cleanup Program Sites	0.50	0
Brownfields – Brownfields Site Listing	0.50	0
Tribal		

Table 5.1 – Environmental Database Search Criteria		
Database	AMSD (miles)	Number of Sites
Indian LUST – Leaking Underground Storage Tanks on Tribal Lands	0.50	0
Indian UST – Underground Storage Tanks on Tribal Lands	0.25	0
County		
King Hist LF – Abandoned Landfill Study in King County	0.50	0
Sea Hist LF – Abandoned Landfill Study in City of Seattle	0.50	0
King SKLF – Seattle-King County Abandoned Landfill Toxicity / Hazard Assessment Project	0.50	0
Sno SWF/LF – Snohomish County Solid Waste Sites of Record	0.50	0
TP Hist LF – Tacoma-Pierce County Closed Landfill Survey	0.50	0
ADDITIONAL ENVIRONMENTAL RECORDS		
Federal		
FINDS – Facility Index / Facility Registry System	<i>Subject Property and Parent Parcel</i>	0
TRIS – Toxic Release Inventory System	<i>Subject Property and Parent Parcel</i>	0
HMIRS – Hazardous Materials Information Reporting System	0.12	0
NCDL – National Clandestine Drug Labs	<i>Subject Property and Parent Parcel</i>	0
ODI – Open Dump Inventory	0.50	0
IODI – Open Dumps on Indian Lands	0.50	0
TSCA – Toxic Substances Control Act	0.12	0
Hist TSCA – Historic Toxic Substances Control Act	0.12	0
FTTS Admin – FTTS Administrative Case Listing	<i>Subject Property and Parent Parcel</i>	0
FTTS Insp – FTTS Inspection Case Listing	<i>Subject Property and Parent Parcel</i>	0
PRP – Potentially Responsible Parties	<i>Subject Property and Parent Parcel</i>	0
SCRD Drycleaner – State Coalition for Remediation of Drycleaners	0.50	0
ICIS – Integrated Compliance Information System	<i>Subject Property and Parent Parcel</i>	0
Drycleaners – Drycleaner Facilities	0.25	0
FUDS – Formerly Used Defense Sites	1.00	0
MRDS – Mineral Resource Data System	1.00	5

Table 5.1 – Environmental Database Search Criteria		
Database	AMSD (miles)	Number of Sites
MLTS – Material Licensing Tracking System	<i>Subject Property and Parent Parcel</i>	0
Hist MLTS – Historic Material Licensing Tracking System	<i>Subject Property and Parent Parcel</i>	0
MINES – Mines Master Index File	0.25	0
ALT Fuels – Alternative Fueling Stations	0.25	0
Superfund ROD – Superfund Decision Documents	1.00	0
SSTC – Registered Pesticide Establishments	0.25	0
PCB – Polychlorinated Biphenyl Notifiers	0.50	0
State		
Spills – Spill Incidents Sites	0.12	0
All Sites – Facility/Site Identification System	0.50	2
ICR – Independent Cleanup Reports	0.50	0
CDL – Clandestine Drug Lab Sites	<i>Subject Property and Parent Parcel</i>	0
Hist CDL – Historical Listing of Clandestine Drug Lab Sites	<i>Subject Property and Parent Parcel</i>	0
Drycleaners – Registered Drycleaners List	0.25	0
Delisted Dryc – Delisted Drycleaners	0.25	0
Tribal		
None Available		
County		
None Available		

Legend:

AMSD = Approximate Minimum Search Distance

CERCLIS = Comprehensive Environmental Response, Compensation, and Liability Information System

FTTS = Insecticide, Fungicide, & Rodenticide Act and Toxic Substance Control Act

RCRA = Resource Conservation and Recovery Act

5.2 REGULATORY AGENCIES

MartinEnviro did not review regulatory agency data files or interview agency personnel due to the presumed regional topographic gradient and the distance of the reported facilities from the *Subject Property*.

Table 5.2 – Summary of Environmental Database Findings

Database	Facility Name	Approximate Distance from Site (miles) / Gradient	Regulatory Status	Comments
State – CSCSL	Kag Truck Spill I-90 MP 81 Cle Elum, WA 98922	0.79 E-SE Down Gradient	Reported	No further action recommended at this time Based on the presumed regional topographic gradient and the distance of the reported facility from the <i>Subject Property</i> , the associated environmental concern is minimal at this time.
Federal – MRDS	Multiple	N/A	N/A	No further action recommended at this time Five facilities were reported to be approximately 0.51 to 0.85 miles of the <i>Subject Property</i> . Based on the distance of the reported facilities from the <i>Subject Property</i> , the associated environmental concern is minimal at this time.
State – All Sites	Multiple	N/A	N/A	No further action recommended at this time Two facilities were reported to be approximately 0.07 to 0.40 miles of the <i>Subject Property</i> . Based on the distance of the reported facilities from the <i>Subject Property</i> , the associated environmental concern is minimal at this time.

Legend:

N/A = Not Applicable

NFA = No Further Action

UST = Underground Storage Tank

6.0 SITE RECONNAISSANCE

Ms. Victoria Feist, a representative of MartinEnviro, conducted a visual inspection of the *Subject Property* and adjacent property on October 29, 2024, to observe evidence of *recognized environmental conditions*. MartinEnviro was unaccompanied during the site visit. The objective of the site reconnaissance inspection was to ascertain information that indicates the likelihood of identifying *recognized environmental conditions* in connection with the *Subject Property*. Table 6.1 provides a summary of the site reconnaissance. Photographs documenting the relevant site features are included in Appendix K.

It should be noted that no sampling or analysis of materials for the presence of asbestos-containing materials, radon, lead-based paint, or lead-in-drinking water or other contaminants was performed as part of this Phase I ESA.

6.1 INDICATIONS OF PCBs

Reconnaissance of the *Subject Property* for the presence of PCBs was limited to a visual inspection of the property for the presence of PCB-containing equipment (e.g., transformers, capacitors, and hydraulic equipment). PCBs were widely used in such equipment until 1979, when the U.S. Environmental Protection Agency (EPA) banned such use. Many utilities have since acted to replace PCB-containing transformers or capacitors with other substances. Federal regulations (40 CFR 761.40) and the Toxic Substances Control Act (TSCA) require those transformers having a concentration of PCBs greater than 499 ppm to be labeled as PCB-containing transformers. Transformers with a concentration between 50 and 499 ppm are considered PCB-contaminated; however, they do not require warning labels.

Table 6.1 – Descriptions of Site Reconnaissance Observations

Condition of Concern at <i>Subject Property</i>	Description
Hazardous Substances or Petroleum Products in Connection with Current Identified Uses	To the extent that present uses are identified that use, treat, store, dispose of, or generate hazardous substances or petroleum products
Hazardous Substances or Petroleum Products in Connection with Past Identified Uses	To the extent that past uses are identified that use, treat, store, dispose of, or generate hazardous substances or petroleum products
Storage Tanks (ASTs and USTs)	ASTs or USTs or vent pipes, fill pipes or access ways indicating USTs
Odors	Strong, pungent, or noxious odors with the sources identified to the extent possible
Pools of Liquid	Standing surface water, pools or sumps containing liquids likely to be hazardous substances or petroleum products
Drums	Drums, including containers as small as 5 gallons
Hazardous Substance and Petroleum Products Containers	Containers identified as containing hazardous substances or petroleum products and are or might be a recognized environmental condition that may not necessarily be in connection with identified uses
Unidentified Substance Containers	Containers containing unidentified substances suspected of containing hazardous substances or petroleum products
Heating/Cooling	Means of heating and cooling buildings on the <i>Subject Property</i> , e.g., electric, heating oil, and gas
Stains or Corrosions	Stains or corrosion on interior floors, walls, or ceilings
Drains and Sumps	Interior floor drains and sumps
Indications of Polychlorinated Biphenyls (PCBs)	Electrical or hydraulic equipment known to contain PCBs or likely to contain PCBs. Fluorescent light ballast likely to contain PCBs does not need to be noted.
Pits, Ponds, or Lagoons	Pits, ponds, or lagoons, particularly if they have been used in connection with waste disposal or waste treatment
Stained Soil or Pavement	Areas of stained soil or pavement
Stressed Vegetation	Areas of stressed vegetation from something other than insufficient water

Table 6.1 – Descriptions of Site Reconnaissance Observations

Condition of Concern at <i>Subject Property</i>	Description
Indications of Solid Waste Disposal	Areas that are apparently filled or graded by non-natural causes or filled by fill of unknown origin, suggesting trash or other solid waste disposal
Waste Water/Storm Water Discharges	Waste water or other liquid, including storm water, or any discharge into a drain, ditch, or stream on or adjacent to the <i>Subject Property</i>
Wells	All well, including dry wells, irrigation wells, injection wells, abandoned wells, potable water wells, or monitoring wells
Septic Systems	Indications of onsite septic systems or cesspools
Other	Other features of interest, e.g., debris or evidence of imported fill from an offsite source

Legend:

AST = Aboveground Storage Tank

UST = Underground Storage Tank

Table 6.2 – Summary of Site Reconnaissance Observations

Condition of Concern at <i>Subject Property</i>	Evidence of Condition Present (Yes / No)		Environmental Concern (Yes / No)	Further Action Recommended (Yes / No)	Comments
	<i>Subject Property</i>	Adjacent Properties			
Hazardous Substances or Petroleum Products in Connection with Current Identified Uses	No	No	N/A	N/A	
Hazardous Substances or Petroleum Products in Connection with Past Identified Uses	No	No	N/A	N/A	
Storage Tanks (ASTs and USTs)	No	No	N/A	N/A	
Odors	No	No	N/A	N/A	
Pools of Liquid	No	No	N/A	N/A	
Drums	No	No	N/A	N/A	
Hazardous Substance and Petroleum Products Containers	No	No	N/A	N/A	
Unidentified Substance Containers	No	No	N/A	N/A	
Heating/Cooling (interior)	No	No	N/A	N/A	
Stains or Corrosions (interior)	No	No	N/A	N/A	
Drains and Sumps (interior)	No	No	N/A	N/A	

Table 6.2 – Summary of Site Reconnaissance Observations

Condition of Concern at <i>Subject Property</i>	Evidence of Condition Present (Yes / No)		Environmental Concern (Yes / No)	Further Action Recommended (Yes / No)	Comments
	<i>Subject Property</i>	<i>Adjacent Properties</i>			
Indications of Polychlorinated Biphenyls (PCBs)	No	No	N/A	N/A	
Pits, Ponds, or Lagoons	No	No	N/A	N/A	
Stained Soil or Pavement	No	No	N/A	N/A	
Stressed Vegetation	No	No	N/A	N/A	
Indications of Solid Waste Disposal	No	No	N/A	N/A	
Waste Water/Storm Water Discharges	No	No	N/A	N/A	
Wells	No	No	N/A	N/A	
Septic Systems	No	No	N/A	N/A	

Legend:

AST = Aboveground Storage Tank

N/A = Not Applicable

PCB = Polychlorinated Biphenyl

UST = Underground Storage Tank

7.0 FINDINGS

This Phase I ESA has been performed in conformance with the scope and limitations of ASTM Practice E 1527-21 for the property identified as Tumbling Ridge, Site Number WA7091, located at 520 Jenkins Drive, Cle Elum, Kittitas County, Washington. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report.

7.1 DATA FAILURES

Based upon this review, sufficient data from readily available standard historical sources exists to determine the previous uses of the *Subject Property* and surrounding properties; therefore, MartinEnviro identified no data failure.

7.2 DATA GAPS

MartinEnviro concluded that no significant data gaps affecting the ability of the Environmental Professional to identify a recognized environmental condition (REC) were encountered during this assessment.

7.3 RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of *recognized environmental conditions* in connection with the *Subject Property*.

7.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of *historical recognized environmental conditions* in connection with the *Subject Property*.

7.5 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of *controlled recognized environmental conditions* in connection with the *Subject Property*.

7.6 DE MINIMIS CONDITIONS

This assessment has revealed no evidence of *de minimis conditions* in connection with the *Subject Property*.

7.7 WETLANDS

MartinEnviro identified no potential wetland areas within approximately 300 feet of the *Subject Property*; however, a wetland delineation was not within the scope of work.

7.8 FLOODPLAIN

MartinEnviro's review of the National Flood Hazard Layer (NFHL) dataset, the *Subject Property* is located within an area of minimal flooding with a less than 1% chance of flooding each year. A floodplain determination is not within the scope of services of this assessment.

8.0 RECOMMENDATIONS AND CONCLUSIONS

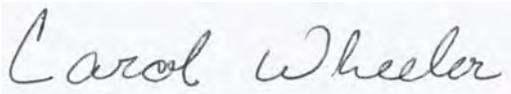
This assessment has revealed no evidence of *historical recognized environmental conditions, controlled recognized environmental conditions, recognized environmental conditions, or de minimis conditions* in connection with the *Subject Property*. Based on the information gathered during this assessment, it is MartinEnviro's opinion that no further investigation is warranted at this time.

These conclusions are based on the review of available historical and regulatory records, analysis of available historical aerial photographs, topographic maps, wetland maps, soil maps, review of available environmental records, site reconnaissance of the site and surrounding areas, and interviews with available personnel. These conclusions are not subject to contamination that is hidden, unpublished, or otherwise unknown using standard Phase I ESA methodology.

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

MartinEnviro conducted this Phase I ESA for the *Subject Property* identified as Tumbling Ridge, Site Number WA7091, located at 520 Jenkins Drive, Cle Elum, Kittitas County, Washington.

This Phase I ESA conforms, in general, with the current ASTM Practice E 1527-21. In addition, MartinEnviro has performed professional services using the degree of care and skill ordinarily exercised under similar circumstances by other professionals practicing in this field. No warranties, expressed or implied, are made as to the professional advice in this report.



Report Written By: Carol Wheeler
Regulatory Specialist

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312 and 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.



Tom Martin
Principal Scientist/President



Melissa Kennedy
Senior Project Manager

Date: November 5, 2024

10.0 REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-21.

Environmental Risk Information Services, Database Report, October 2024

Environmental Risk Information Services, Historical Aerials, October 2024

Environmental Risk Information Services, Topographic Maps, October 2024

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet (<https://msc.fema.gov/portal>), October 2024

Google Earth, accessed via the internet (www.earth.google.com), October 2024

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet (<http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>), October 2024

United States Fish and Wildlife Service, National Wetland Inventory Maps, accessed via the Internet (<http://www.fws.gov/wetlands/data/mapper.HTML>), October 2024

APPENDIX A

ACRONYMS AND DEFINITIONS

ACRONYMS

<u>Acronym</u>	<u>Definition</u>
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AULs	Activity and Use Limitations
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Index System
CORRACTS	Corrective Action Sites (RCRA)
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FOIA	Freedom of Information Act
HWS	Hazardous Waste Sites
IC/EC	Institutional Control / Engineering Control
LLP	Landlord Liability Protection
LUST	Leaking Underground Storage Tank
NFRAP	No Further Remedial Action Planned
NPL	National Priorities List
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
SWD	Solid Waste Disposal (Landfill)
TSD	Treatment, Storage, and Disposal
USC	United States Code
USGS	United State Geological Survey
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program

DEFINITIONS

Activity and Use Limitations (AULs) are one indication of a past or present release of a hazardous substance or petroleum products. AULs are an explicit recognition by federal, tribal, state, or local regulatory agency that residual levels of hazardous substances or petroleum products may be present on a property, and that unrestricted use of the property may not be acceptable. AULs are important to both the user and the use of the Environmental Professional. Specifically, the Environmental Professional can review agency records and IC/EC registries for the presence of AULs on the property to determine if a *recognized environmental condition* is present on the *Subject Property*.

Approximate Minimum Search Distance (AMSD) is defined as the area for which records must be obtained and reviewed pursuant to ASTM Practice E 1527-21 to the limitations provided in Section 8, Records Review. This may include areas outside the *Subject Property* and is measured from the nearest *Subject Property* property boundary. The term is used in lieu of radius to include irregularly shaped properties.

Controlled Recognized Environmental Condition is defined as a *recognized environmental condition* resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the Environmental Professional to be a *controlled recognized environmental condition* shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a *recognized environmental condition* in the conclusions section of the Phase I Environmental Site Assessment report.

Data Gap is defined as a lack of or inability to obtain information required by ASTM Practice E 1527-21 despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by ASTM Practice E 1527-21, including, but not limited to site reconnaissance (e.g., an inability to contact the site visit) and interviews (e.g., an inability to interview the key site manager and regulatory officials).

De Minimis Conditions is defined as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not *recognized environmental conditions* nor *controlled recognized environmental conditions*.

Due Diligence is defined as the process of inquiring into the environmental characteristics of a parcel of commercial real estate or other conditions, usually in connections with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes.

Environmental Controls (EC) are defined as physical modifications to a site or facility (e.g., capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in soil and groundwater on the *Subject Property*. Engineering controls are a type of activity and use limitation (AUL).

Environmental Lien is defined as a charge , security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of repsonse actions, cleanups, or other remediation of hazardous substances or petroleum products upon a property, including but not limited to liens imposed pursuant to CERCLA 42 USC §§9607(1) and 907(r)and similar state and local laws.

Environmental Professional is defined as a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b):

(1) A person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases (see 40 CFR §312.1(c)) on, at, in, or to a property, sufficient to meet the objectives and performance factors in §312.20(e) and (f).

(2) Such a person must: (i) hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) and have the equivalent of three (3) years of full-time relevant experience; or (ii) be licensed or certified by the federal government, a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) to perform environmental inquiries as defined in §312.21 and have the equivalent of three (3) years of full-time relevant experience; or (iii) have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science and the equivalent of five (5) years of full-time relevant experience; or (iv) have the equivalent of ten (10) years of full-time relevant experience.

(3) An environmental professional should remain current in his or her field through participation in continuing education or other activities.

(4) The definition of environmental professional provided above does not preempt state professional licensing or registration requirements such as those for a professional geologist, engineer, or site remediation professional. Before commencing work, a person should determine the applicability of state professional licensing or registration laws to the activities to be undertaken as part of the inquiry identified in §312.21(b).

(5) A person who does not qualify as an environmental professional under the foregoing definition may assist in the conduct of all appropriate inquiries in accordance with this part if such person is under the supervision or responsible charge of a person meeting the definition of an environmental professional provided above when conducting such activities.

Environmental Site Assessment is defined as the process by which a person or entity seeks to determine if a particular parcel of real property (including improvements) is subject to *recognized environmental conditions*. At the option of the user, an environmental site assessment may include more inquiry or, if the user is concerned about qualifying for the Landowner Liability Protections (LLPs), less inquiry than that constituting all appropriate inquiry. An environmental site assessment is both different from and less rigorous than an environmental compliance audit.

Fill Dirt is defined as dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Good Faith is defined as the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

Hazardous Substance is defined pursuant to CERCLA 42 USC §9601(14), as interpreted by EPA regulations and the courts: (A) any substance designated pursuant to Section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to Section 9602 of this title, (c) any hazardous waste having the characteristics identified under or listed pursuant to Section 3001 of the Resource Conservation and Recovery Act (RCRA), as amended (42 USC §6921), but not including any waste the regulation of which under RCRA (42§§6901 et seq.) has been suspended by Act of Congress, (D) any toxic hazardous air pollutant listed under Section 1317(a) of Title 33, (E) any hazardous air pollutant listed under Section 1112 of the Clean Air Act (42 USC §7412), and (F) any immediately hazardous chemical substance or mixture with respect to which the Administrator of EPA has taken action pursuant to Section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this definition. The term does not include natural gas, natural gas liquids, liquefied natural gas and such synthetic gas.

Hazardous Waste is defined as having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended (42 USC §6921) (but not including any waste the regulation of which under RCRA (42 USC §§6901-6992k) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines a "hazardous waste", at 42 USC §6903, as a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may: (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.

Historical Recognized Environmental Condition is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the *Subject Property* and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a *historical recognized environmental condition*, the Environmental Professional must determine whether the past release is a *recognized environmental condition* at the time the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a *recognized environmental condition* at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a *recognized environmental condition*.

Institutional Controls (IC) are defined as a legal or administrative restriction (e.g., deed restrictions restrictive covenants) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the *Subject Property*, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environmental. An institutional control is a type of Activity and Use Limitation (AUL).

Landowner Liability Protections (LLPs) means landowner liability protections under CERCLA; those protections include the *bona fide* perspective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability (see 42 USC §§9601(35)(A), 9601(40), 9607(b), 9607(q) and 9607(r)).

Major Occupants means those tenants, subtenants, or other persons or entities each of which uses at least 40% of the leasable area or any anchor tenant when the *Subject Property* is a shopping center.

Material Threat is defined as a physical observable or obvious threat that is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Obvious is defined as that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the *Subject Property*.

Occupants mean those tenants, subtenants, or other persons or entities using the *Subject Property* or a portion of the *Subject Property*.

Operator is defined as the person responsible for the overall operation of the facility.

Owner generally means the fee owner of record of the *Subject Property*.

Petroleum Exclusion means the exclusion from CERCLA liability provided in 42 USC §9601(14), as interpreted by the courts and EPA: "The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas, and synthetic gas)."

Petroleum Products mean those substances included within the meaning of the petroleum exclusion to CERCLA, 42 USC §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil and any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) or 42 USC §9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas, and synthetic gas). Note: the word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to the Standard Definitions of Petroleum Statistics.¹

Phase I Environmental Site Assessment is defined as the process described in *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, American Society for Testing and Materials Practice E 1527-21.

¹ *Standard Definitions of Petroleum Statistics*, American Petroleum Institute, Fourth Edition, 1988

Recognized Environmental Conditions (RECs) is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at the *Subject Property*: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. This term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.

Relevant Experience, as used in the definition of Environmental Professional in *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, American Society for Testing and Materials Practice E 1527-21 means participation in the performance of all appropriate inquiries investigations, environmental site assessments, or other site investigations that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases to the *Subject Property*.

Site Reconnaissance is defined as part of *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, American Society for Testing and Materials Practice E 1527-21 that addresses what should be done in connection with the site visit. The site reconnaissance includes, but is not limited to, the site visit done in connection with such a Phase I Environmental Site Assessment.

Site Visit means the visit to the *Subject Property* during which observations are made constituting the site reconnaissance section the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, American Society for Testing and Materials Practice E 1527-21.

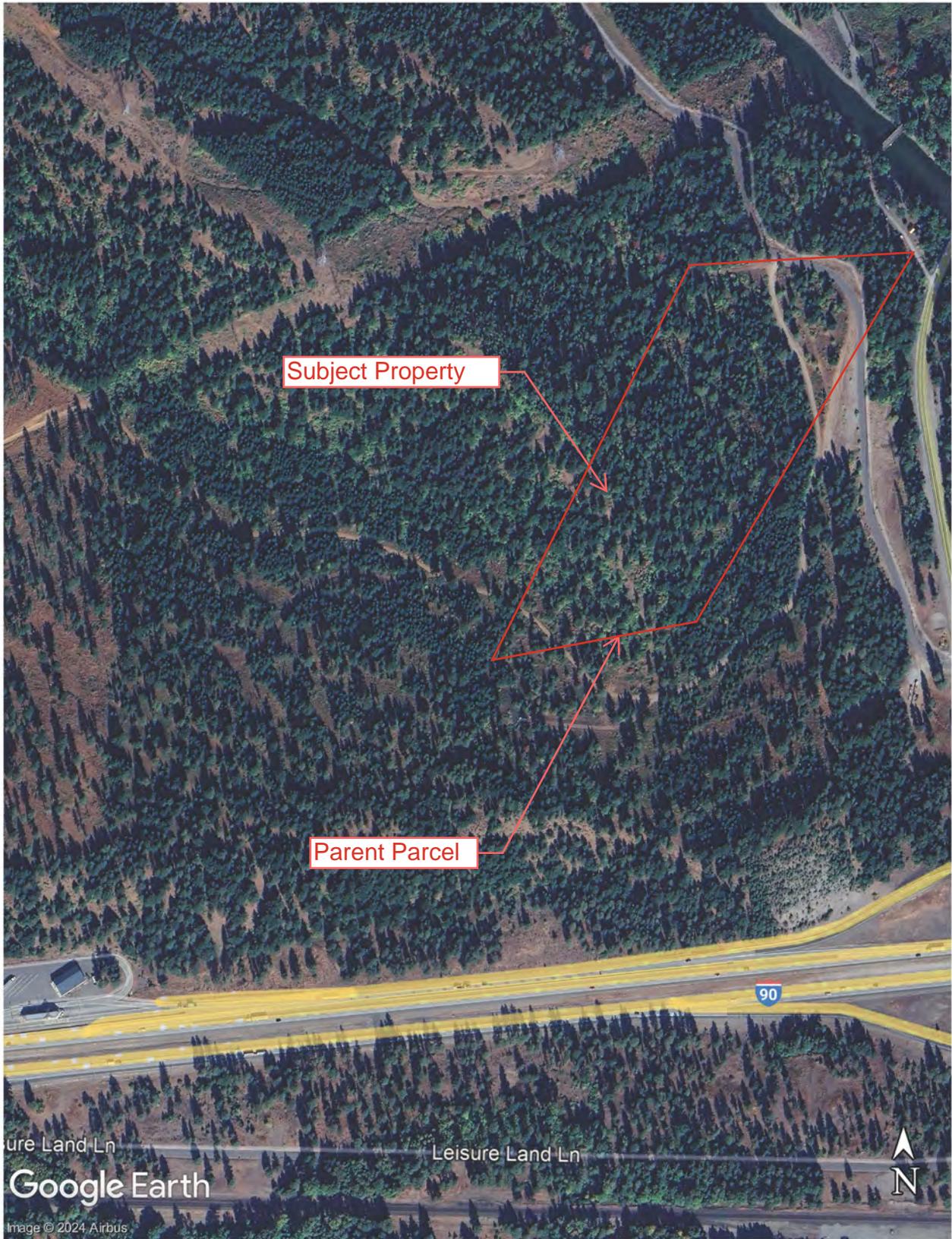
Subject Property means the real property that is the subject of the environmental site assessment described in *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, American Society for Testing and Materials Practice E 1527-21.

Visually and/or Physically Observed means observations made by vision while walking through a *Subject Property* and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term “walking through” is not meant to imply that disabled persons who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the *Subject Property* and the structures located on it.

User is defined as the party seeking to use *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, American Society for Testing and Materials Practice E 1527-21 to complete an environmental site assessment of the *Subject Property*. A user may include, without limitation, a potential purchaser of the *Subject Property*, a potential tenant of the *Subject Property*, or a *Subject Property* manager. The user has specific obligations for completing a successful application of this practice.

APPENDIX B

LOCATION MAP



APPENDIX C

CLIENT-PROVIDED DOCUMENTATION

Antenna Structure Location

Location

The proposed new - build antenna tower structure site is located within the East Cascades Region on parent parcels controlled by WEIS Towers LLC and are located approximately 3.5 miles west of Cle Elum, WA and about 2.5 miles south of Roslyn, WA. Access to the tower site is via an I - 90 exit for Bullfrog Road thence 1.2 miles to the

turn - off for Jenkins Dr. which has a locked gate; thence .013 miles on Jenkins Dr. to the

westward turn - off for Plum Ck Rd; thence about 0.34 miles southwesterly on Plum Creek Rd to area of path which is approximately 800' north to the proposed tower site.

One locked gate prevents access to the subject parent parcels and tower site. One should

contact Weis Towers in order to procure the key to the gate for entrance. Jenkins Dr. access is purportedly controlled by Suncadia. All construction access and staging, and

utility easements will be constructed within the parent parcels and or nearby surrounding privately owned properties. A general address for the parent parcels is 520

Plum Creek Road, Cle Elum, WA 98922. A 911 address for the tower site is not known

to have been established.

Coordinates

Latitude (North): ~47 degrees 11 minutes 17.6 seconds (NAD 83)

Longitude (West): ~121 degrees 01 minutes 14.4 seconds (NAD 83)

Elevation: 2347 feet amsl

USGS Map: Ronald, Washington, WA 7.5' (topographic) USGS Quadrangle (2003)

County Tax Parcel Numbers (parent parcels): 952139 & 952139

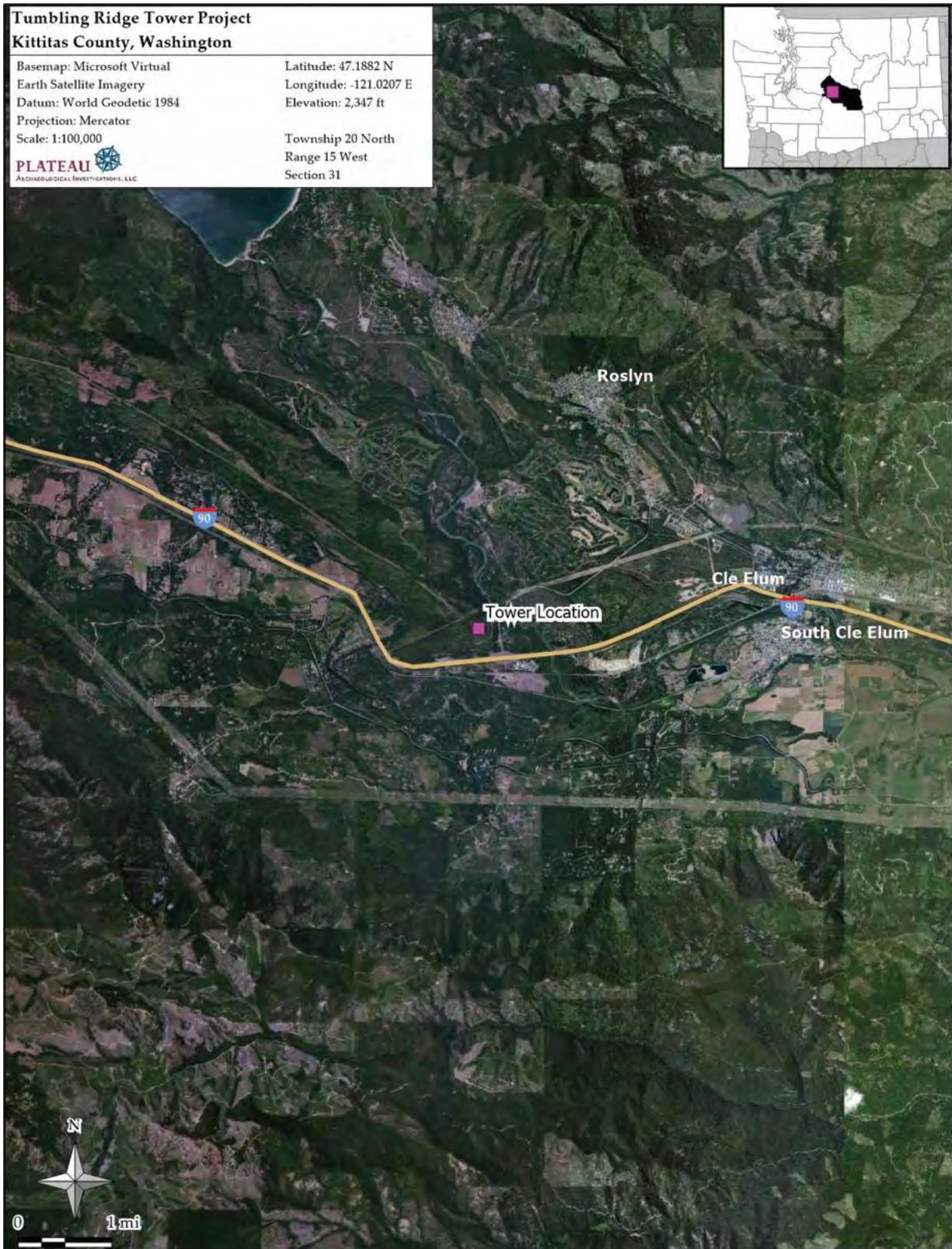


Figure 1. The location of the project in Kittitas County.



Figure 2. The Project Area on a portion of the Ronald USGS topographic map.



Figure 3. The project area, pedestrian transects, and subsurface probe on an aerial photograph.



Figure 4. Overview photos from the proposed tower location. Clockwise from the top left, the views are to the north, east, south, and west.



Figure 4. Overview photos toward the proposed tower location. Clockwise from the top left, the views are to the south, west, north, and east.



Figure 6. View from site 45KT02135 toward tower location.

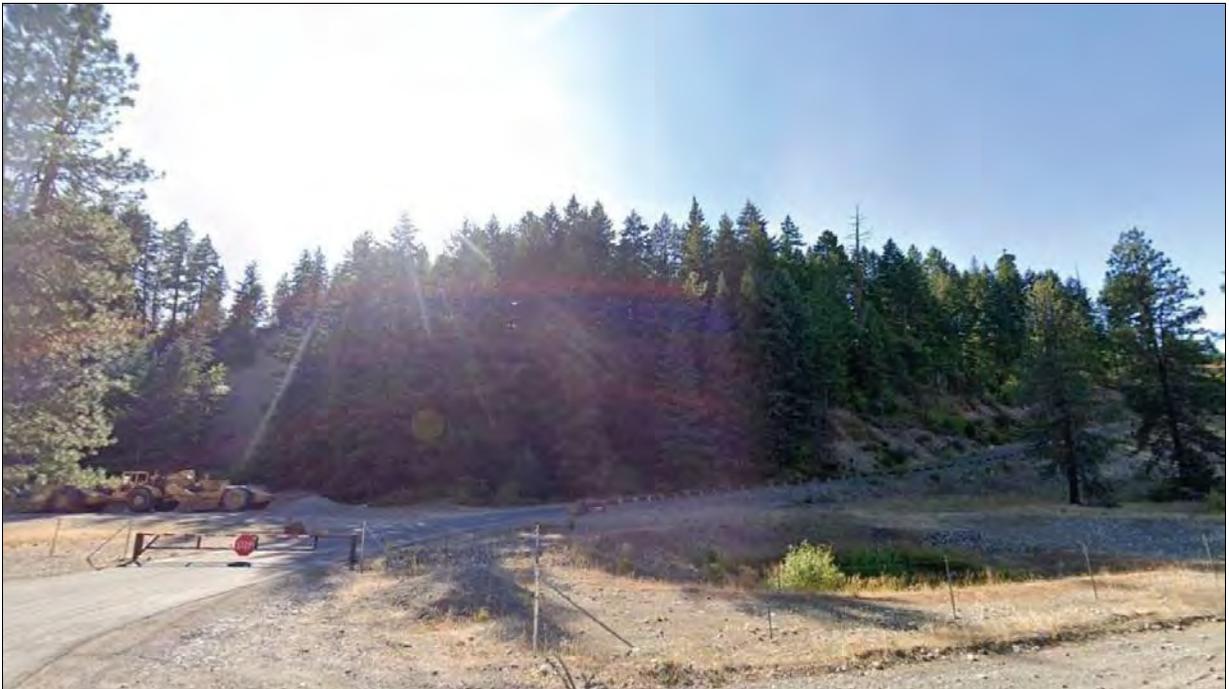


Figure 7. View from site 45KT03332 and 45KT01367 toward tower location.

APPENDIX D

PROPERTY INFORMATION

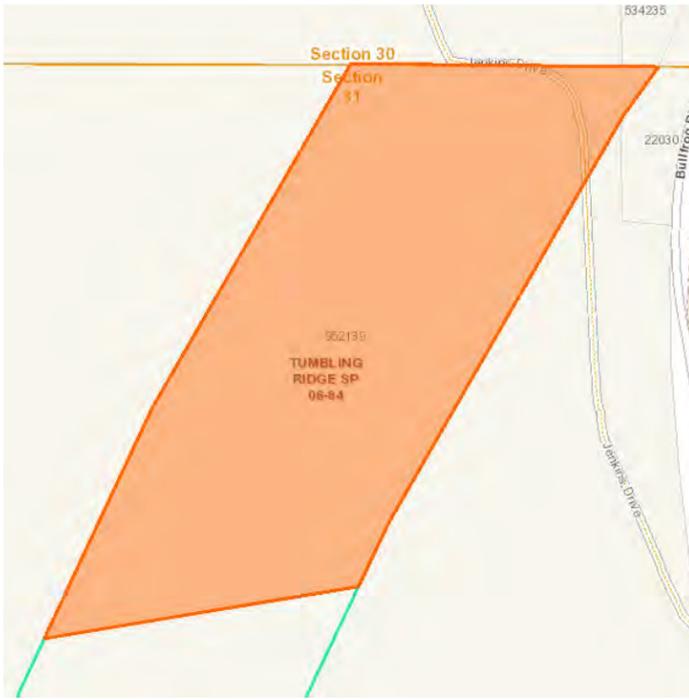


Property Report for Parcel#: 952139

Friday, November 1, 2024

Parcel Information

Address:	520 JENKINS DR, CLE ELUM 98922
Tax Parcel ID:	952139
Map Number:	20-15-31050-0001
Recorded Area:	17.74 a
Owner Name:	TUMBLING RIDGE LLC
Name Cont:	
Mailing Address:	PO BOX 711
City/State/Zip:	ROSLYN WA 98941-0711



Critical Areas Information

Contains > 30% Slope:	Yes
PHS Site Name:	DOMERIE FLATS ELK WINTER CONCENTRATION AREA
Roof Hazard:	HIGH_EXTREEME HAZARD RATING
Roof Class:	CLASS A
Seismic Category:	D1
Shore Line:	Natural
Wetland Code:	N/A
DNR Water Type:	N/A
FIRM Zone:	
FEMA Flood Map:	53037C0659D, 53037C0667D
Coalmine Shaft:	N/A
Airport Zone:	N/A
BPA Right of Way:	-1
Max Elevation:	2310
ISO:	0.06
PG:	139, Engineering is required

Administrative Information

Zone and Allowed Uses:	Rural 5
Land Use Category:	Mineral Lands
Commissioner District:	0
Voter Precinct:	
Hospital District:	HOSPITAL DISTRICT 2
School District:	Cle Elum-Roslyn School District
Irrigation District:	N/A
Weed District:	
Fire District:	Fire District 7 (Cle Elum)
Cemetery District:	N/A
Court District:	Upper District Court
PUD Comm District:	District 2
Parks and Rec District:	District 1
Wildland Urban Interface:	IR.1
Stock Restricted Area:	Open Range
COE Gas Service Area:	No

Domestic Water Information

Over the Counter Water:	Yes, Suitability Map
Qualifying Water Banks:	Big Creek WR, Bourne, New Suncadia (Tillman Creek), KittitasCnty(Clennon), Reecer Creek, KittitasCnty(Roth), New Suncadia(Big Creek), New Suncadia (SwaukFirstCreeks), New Suncadia (TeawayRiver), Roan New Suncadia, Swiftwater Ranch, Trailside, Western Water Partners, Yakima Mitigation Services, NGR

Sub Basin Watershed:

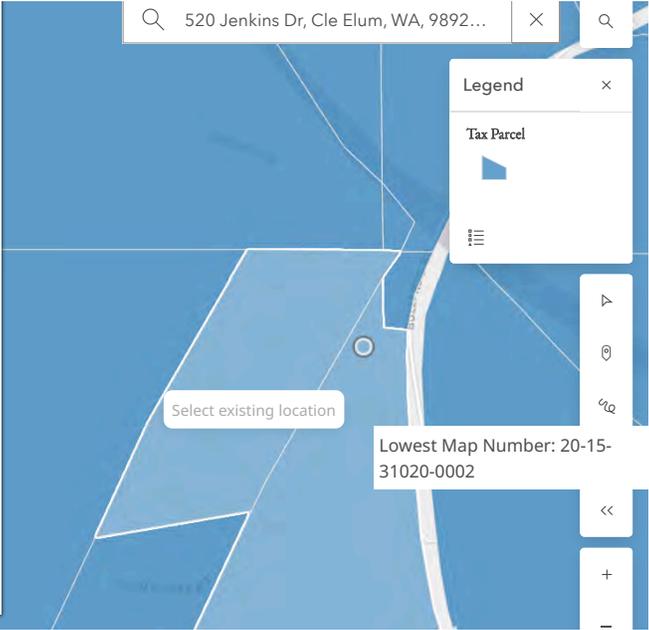
Cle Elum River

<Info

I want to...

-  **Create a Map**
Start a map with this data
-  **Create a Story**
Open in ArcGIS StoryMaps
-  **View API Resources**
Try out the API Explorer
-  **View Data Source**
Select to open in a new tab
-  **View All Metadata**
Select to open in a new tab
-  **Open in ArcGIS Online**
Select to open in a new tab

ParcelNbr	952139
t2_OwnerID	43769
Owner	TUMBLING RIDGE LLC
Legal	ACRES 17.74; TUMBLING RIDGE SHORT PLAT 06-84, LOT 1; SEC 31; TWP 20; RGE 15
Situs	520 JENKINS DR, CLE ELUM 98922
t2_SitusCity	98922
t2_SitusZip	
District	43
Neighborhood	432225.000000
StateCode	91 - Undeveloped - Land
SecondaryLandUse	
Improved Value	0.000000
Land Market Value	273700.000000
Total Value	273700.000000



County of Kittitas, Bureau of Land Management, Esri, HERE, Garmin, GeoTechnologies, Inc., Intermap, USGS, EPA | Kittitas County Assessor | Esri, HERE Powered by Esri



Menu

<Info

I want to...

- Create a Map**
Start a map with this data
- Create a Story**
Open in ArcGIS StoryMaps
- View API Resources**
Try out the API Explorer
- View Data Source**
Select to open in a new tab
- View All Metadata**
Select to open in a new tab
- Open in ArcGIS Online**
Select to open in a new tab

(name)	
Mailing Address (Name cont)	11777 SAN VICENTE BLVD STE 900
Mailing Address (City)	LOS ANGELES
Mailing Address (State)	CA
t2_Zip	90049-5084
UpdatedDate	5/10/2023, 2:09 PM
GlobalID	2b50e742-2141-477e-a83c-8b3935adf671
t2_IsExempt	No
t2_MarketBuildingValue	0.000000
t2_MarketCropValue	0.000000
t2_ParentNeighborhood	6030
t2_MiscID8	AEC
t2_WeedDistrictNumber	9
OBJECTID	21836

520 Jenkins Dr, Cle Elum, WA, 9892...

Legend

- Tax Parcel

Select existing location

Lowest Map Number: 20-15-31020-0002

County of Kittitas, Bureau of Land Management, Esri, HERE, Garmin, GeoTechnologies, Inc., Intermap, USGS, EPA | Kittitas County Assessor | Esri, HERE Powered by Esri



Menu

2024-WEI-0014

WA7091

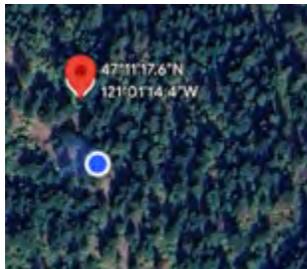
Tumbling Peak

Self-Support 190' Parcel #: 952139, 952140

520 Jenkins Dr Cle Elum WA Kittitas County 98922

(47.188239 -121.020833 47° 11' 17.660" N 121° 01' 14.999" W)

Move to 47 11 16, -121 1 14;





APPENDIX E

TOPOGRAPHICAL MAPS



TOPOGRAPHIC MAPS

Project Property: WA7091 Tumbling Peak

520 Jenkins Drive
Cle Elum WA 98922

Project No: 2024-WEI-0014

Requested By: Martin Environmental Solutions, Inc.

Order No: 24102301245

Date Completed: October 24, 2024

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

Year	Map Series
1961	15
1989	7.5
2003	7.5
2017	7.5
2020	7.5

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

Pre-1947

[Page 223 of 1918 Topographic Instructions](#)

[Page 130 of 1928 Topographic Instructions](#)

1947-2009

[Topographic Map Symbols](#)

2009-present

[US Topo Map Symbols](#)

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

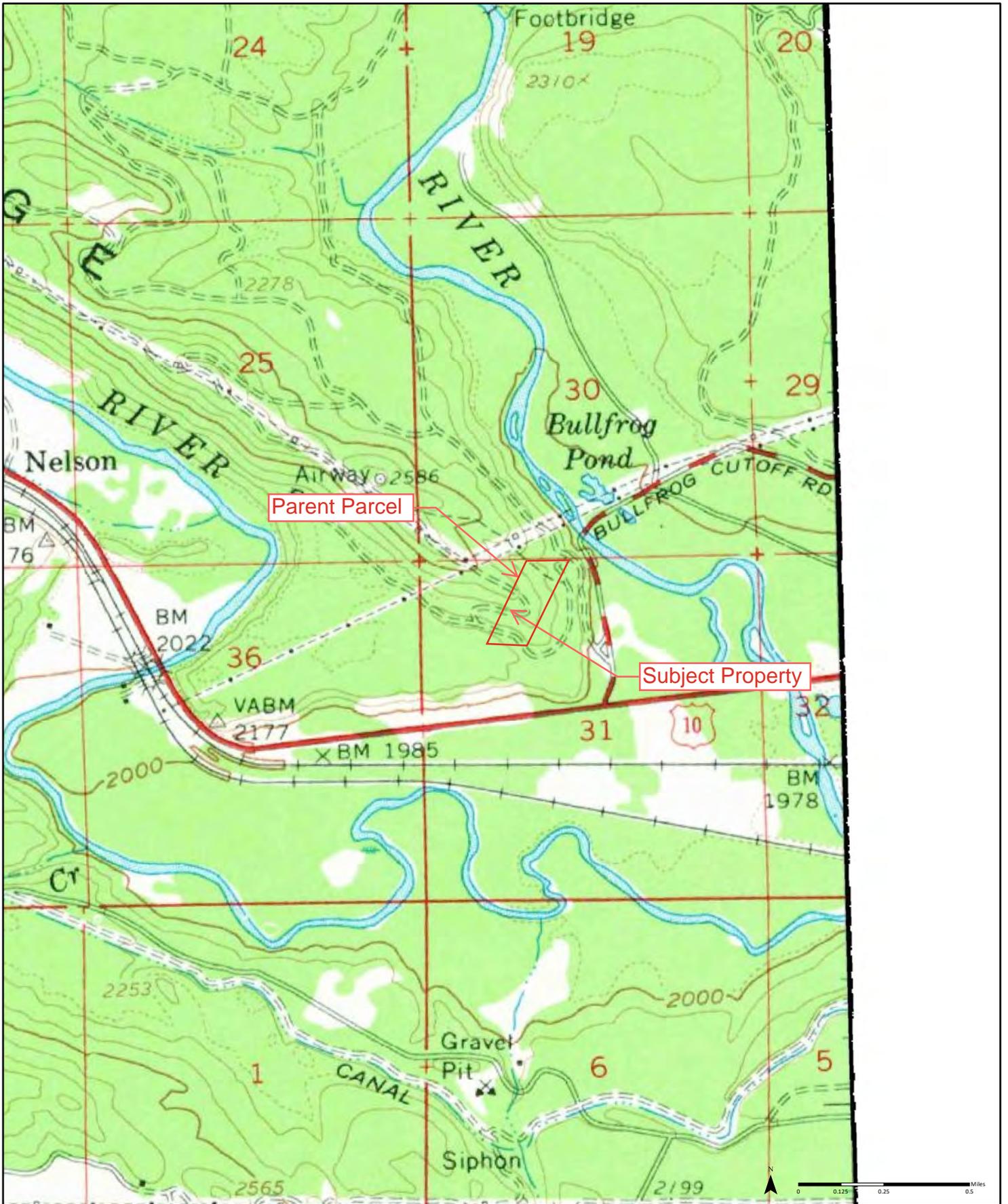
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS.

This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services

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1961

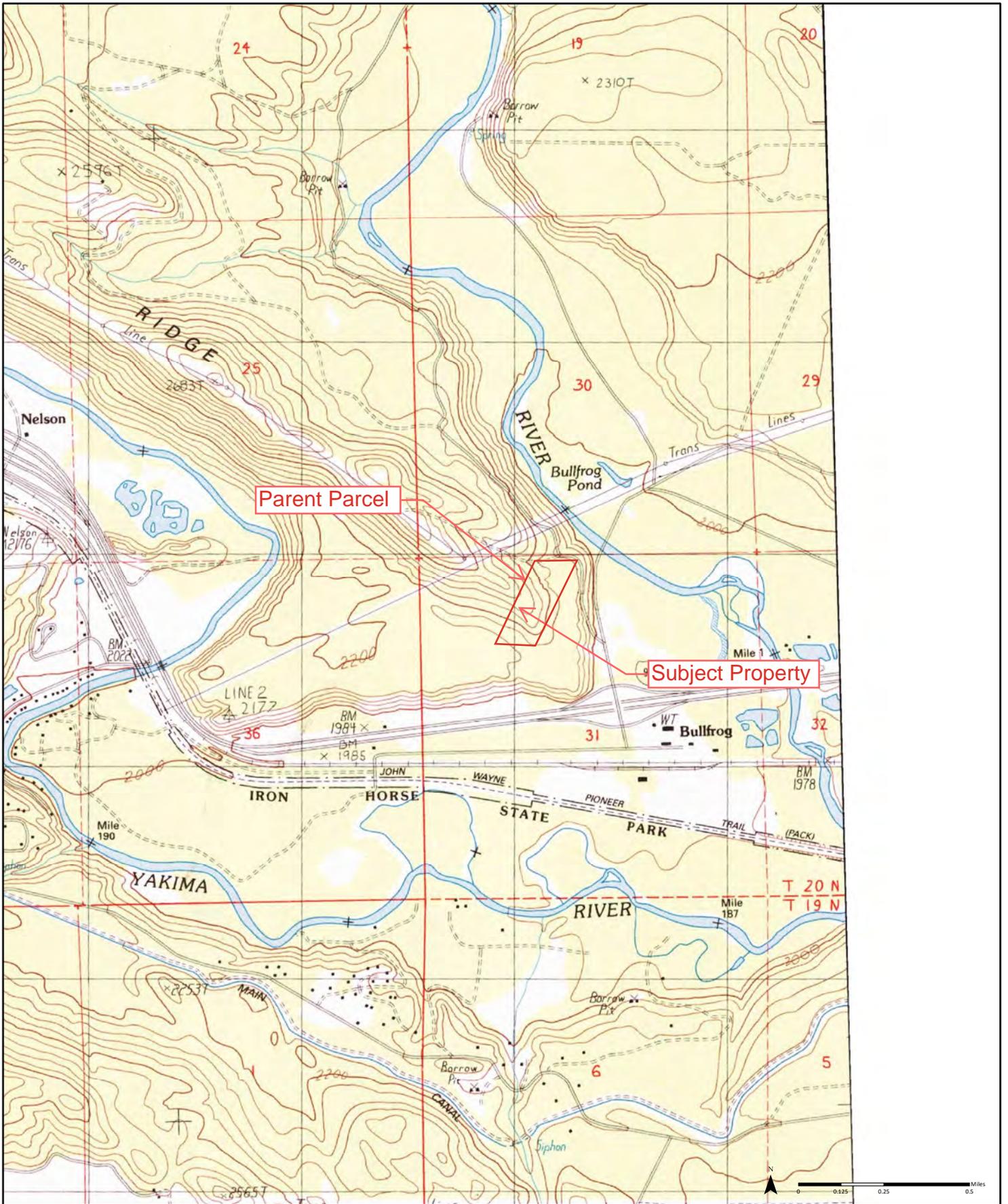
(1-1961)
Aerial Photo Year: 1957

Order No. 24102301245



Available Quadrangle(s): Easton, WA(1-1961)

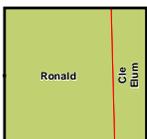
Source: USGS 15 Minute Topographic Map



1989

(1-1989)
Aerial Photo Year: 1985

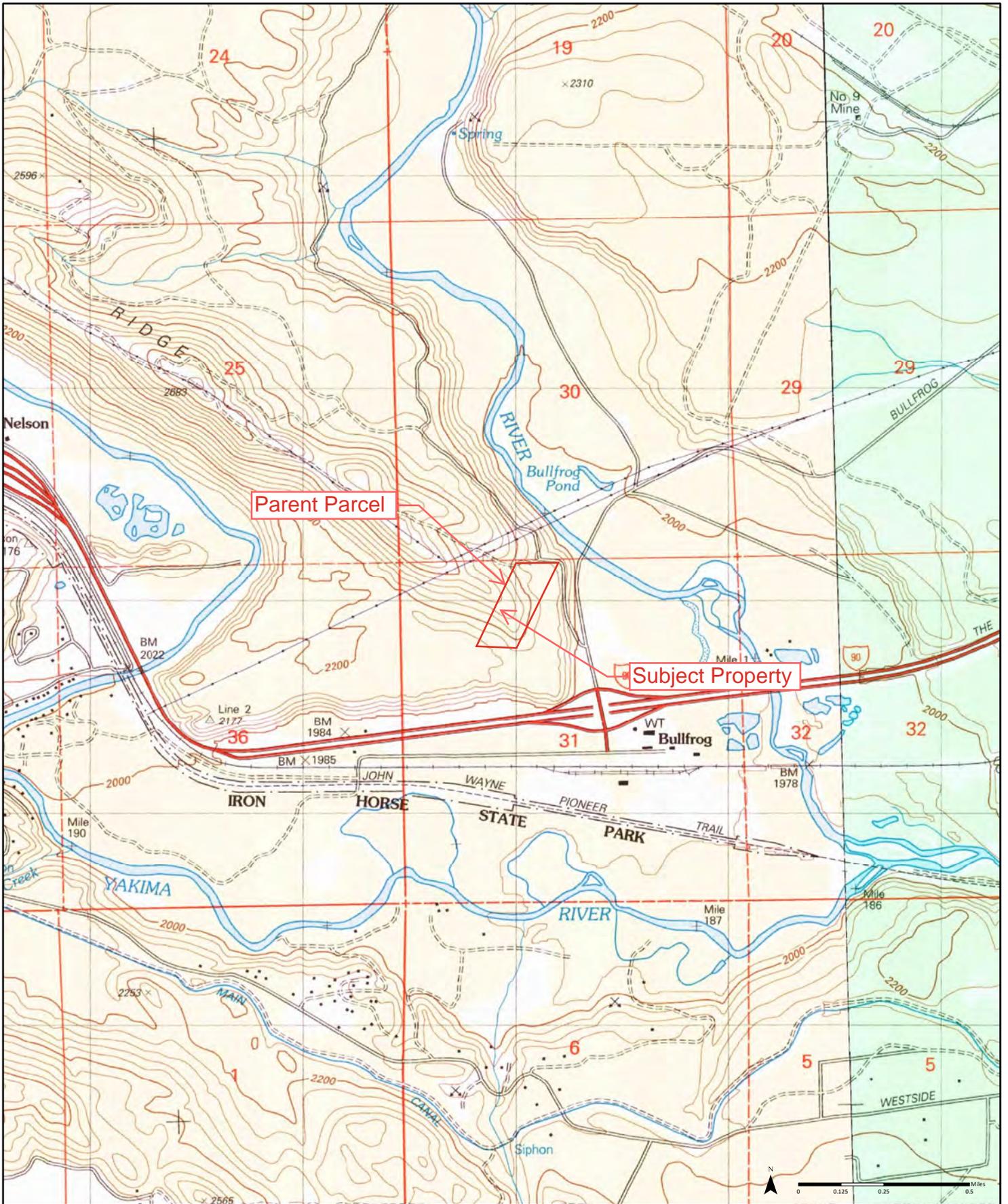
Order No. 24102301245



Available Quadrangle(s): Ronald, WA(1-1989)

Source: USGS 7.5 Minute Topographic Map

MartinEnviro
Martin Environmental Solutions Inc.

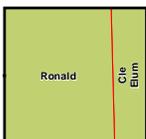


2003

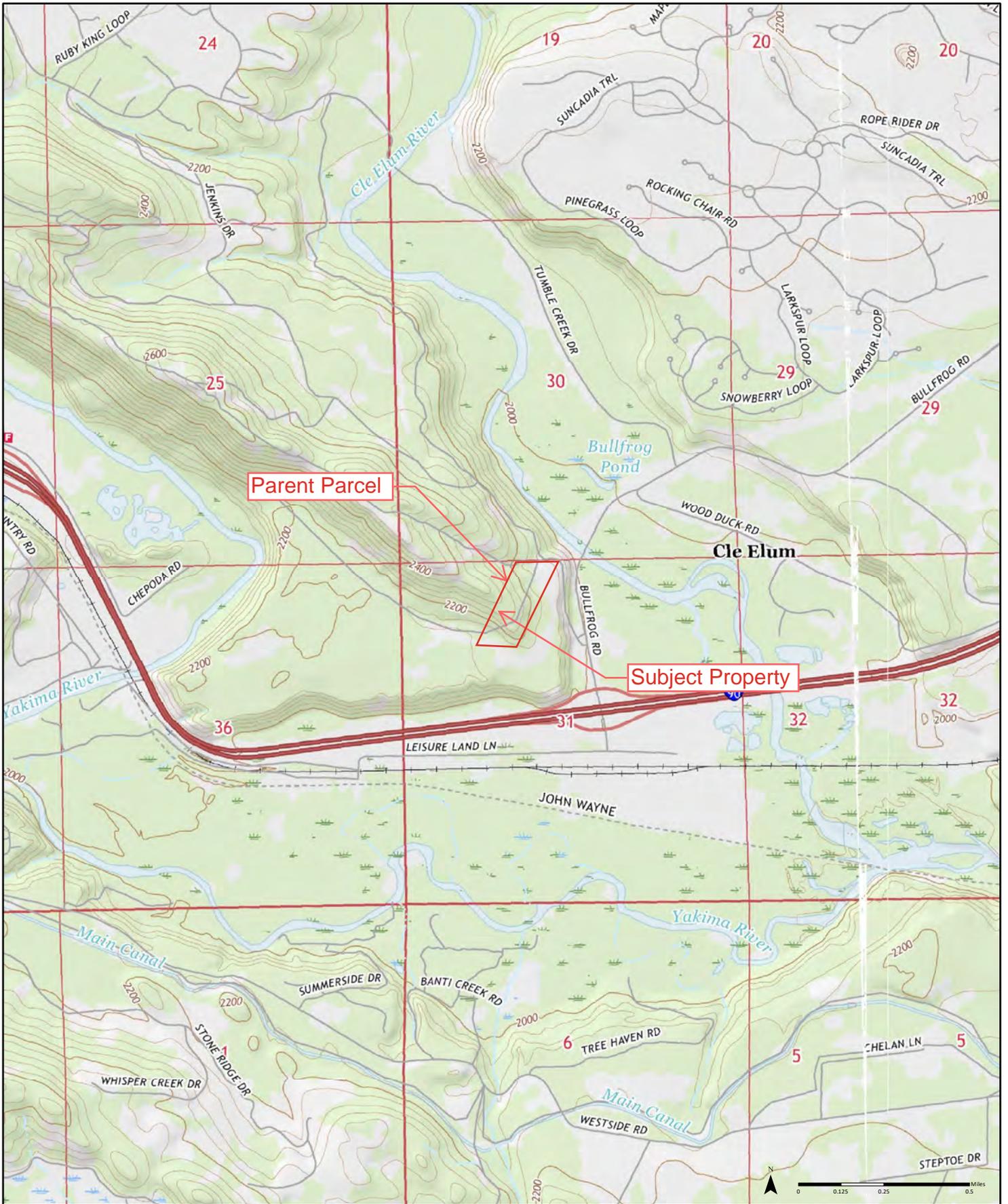
(1-2003) Aerial Photo Year: 1998

(2-2003) Aerial Photo Year: 1998

Order No. 24102301245

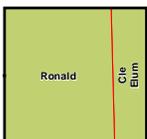


Available Quadrangle(s): Ronald, WA(2-2003)
Cle Elum, WA(1-2003)



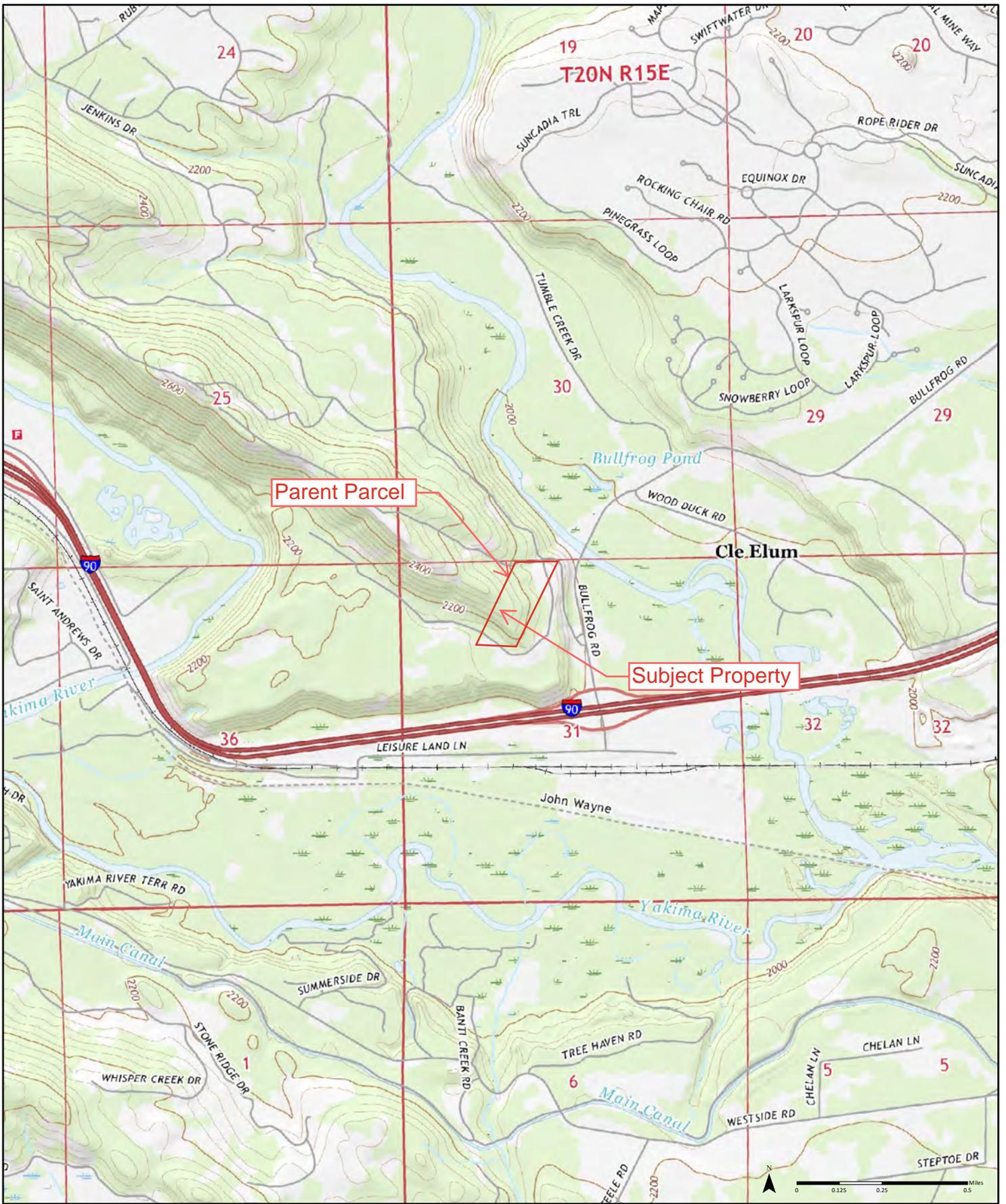
2017

Order No. 24102301245



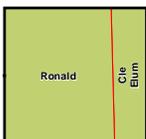
Available Quadrangle(s): Ronald, WA
Cle Elum, WA

Source: USGS 7.5 Minute Topographic Map



2020

Order No. 24102301245

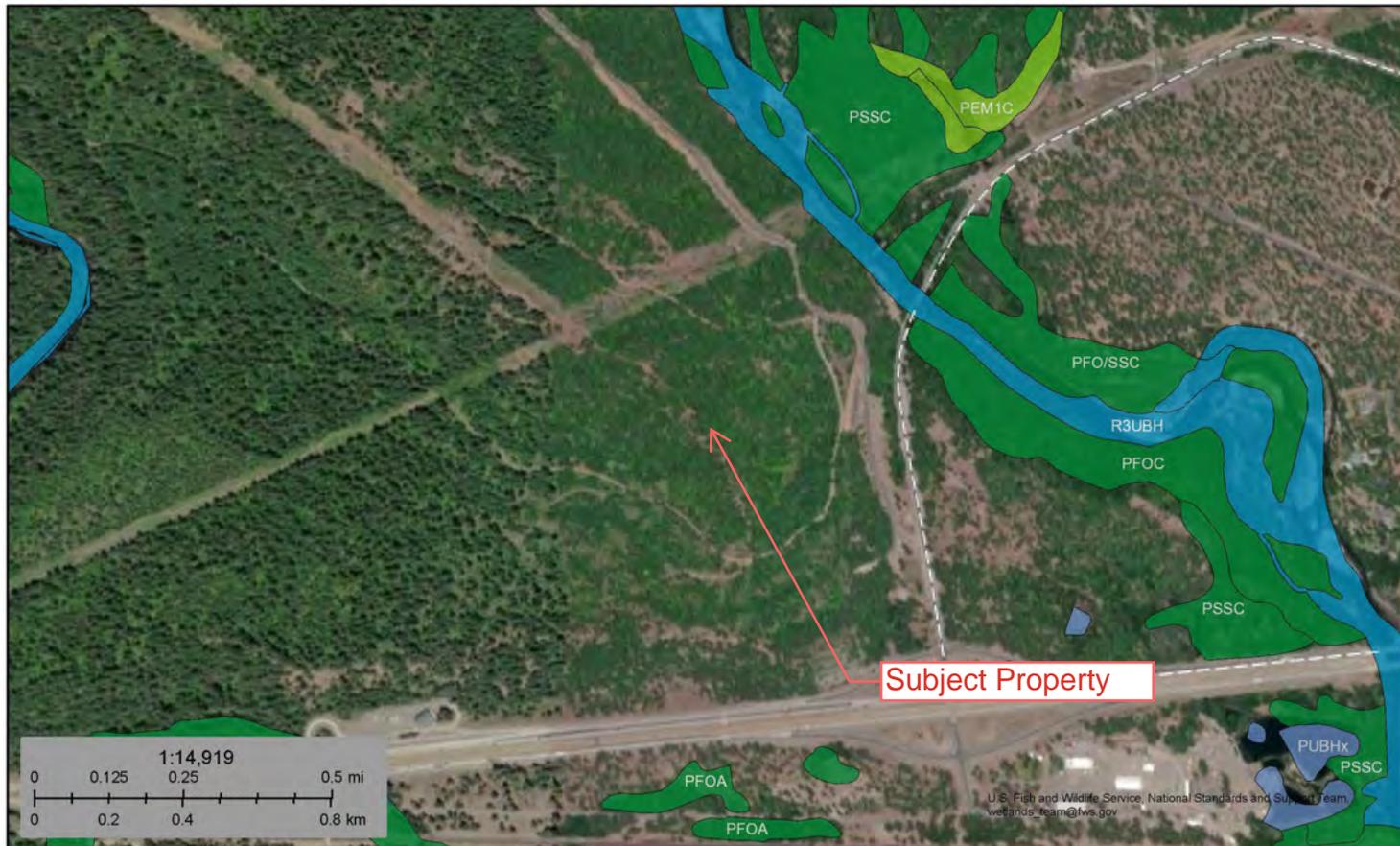


Available Quadrangle(s): Ronald, WA
Cle Elum, WA

Source: USGS 7.5 Minute Topographic Map

APPENDIX F

WETLAND AND FLOODPLAIN MAPS



October 31, 2024

Wetlands

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper



Site Name: Tumbling Peak
Client #: WA7091
MartinEnviro #: 2024-WEI-0014

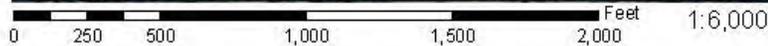
Wetland Map



National Flood Hazard Layer FIRMMette



121°13'4"W 47°11'30"N



121°0'56"W 47°11'5"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRMM PANEL LAYOUT

- | | |
|------------------------------------|--|
| SPECIAL FLOOD HAZARD AREAS | <ul style="list-style-type: none"> Without Base Flood Elevation (BFE)
<i>Zone A, V, A50</i> With BFE or Depth <i>Zone AE, AD, A99, VE, AR</i> Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | <ul style="list-style-type: none"> 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> Area with Flood Risk due to Levee <i>Zone O</i> |
| OTHER AREAS | <ul style="list-style-type: none"> Area of Minimal Flood Hazard <i>Zone X</i> Effective LOMRs Area of Undetermined Flood Hazard <i>Zone O</i> |
| GENERAL STRUCTURES | <ul style="list-style-type: none"> Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall |
| OTHER FEATURES | <ul style="list-style-type: none"> Cross Sections with 1% Annual Chance Water Surface Elevation Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary Coastal Transect Baseline Profile Baseline Hydrographic Feature |
| MAP PANELS | <ul style="list-style-type: none"> Digital Data Available No Digital Data Available Unmapped |



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/31/2024 at 3:31 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRMM panel number, and FIRMM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



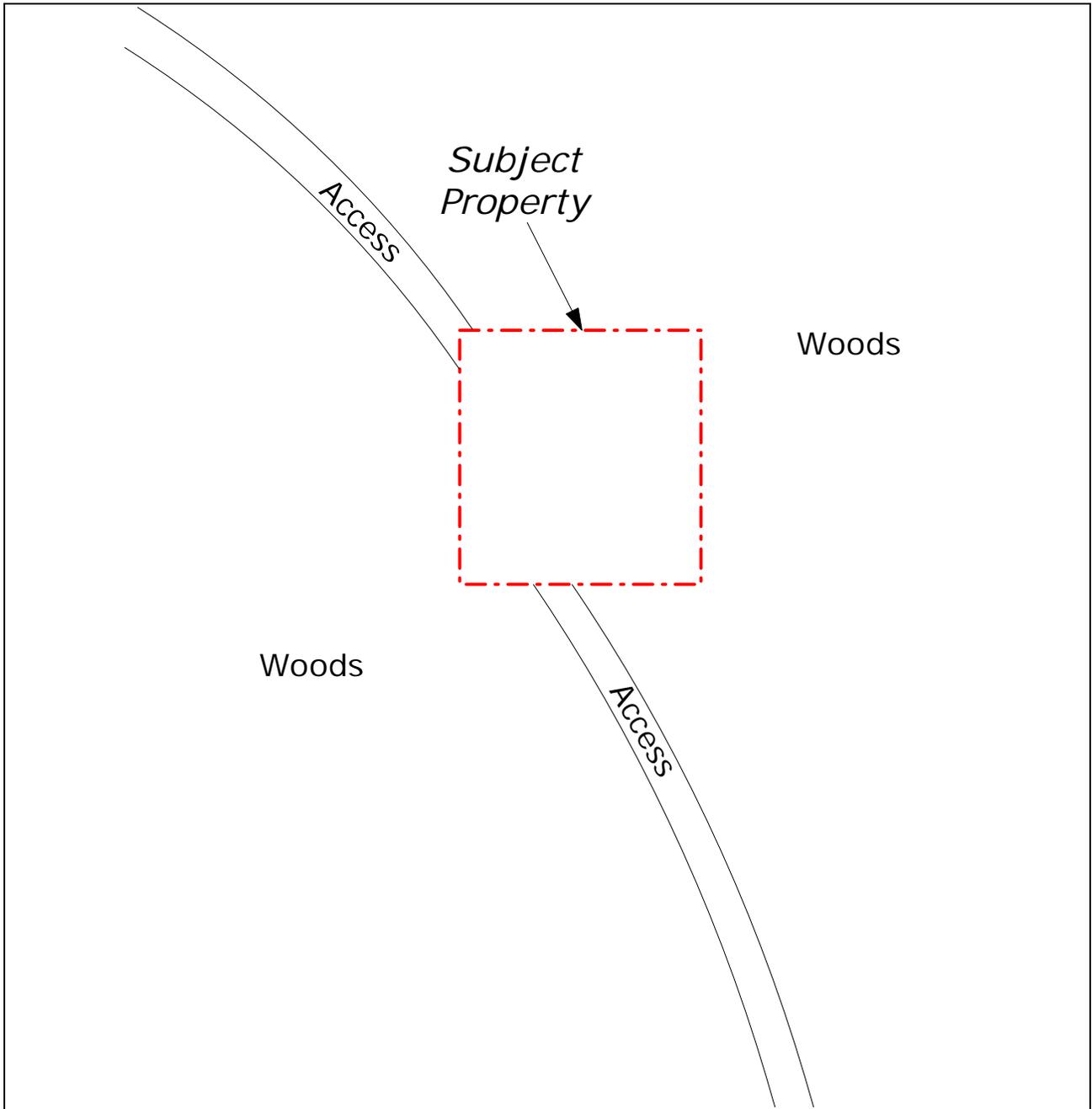
Site Name: Tumbling Peak
 Client #: WA7091
 MartinEnviro #: 2024-WEI-0014

Floodplain Map



APPENDIX G

SITE PLAN



Legend:

- | | | | | | |
|---|--------------------------------|---|---|---|-----------------------------------|
|  | = Monopole / Stealth Tower |  | = Generator with Self-Contained Fuel Tank (AST) |  | = Stormwater Drain |
|  | = Lattice Tower |  | = Aboveground Storage Tank (AST) |  | = Antenna |
|  | = Guyed-Wire Tower |  | = Pole-mounted Transformer |  | = Billboard |
|  | = Equipment Shelter |  | = Pad-mounted Transformer |  | = Gate |
|  | = Electrical Cabinet |  | = Drums |  | = Fence Line / Compound Perimeter |
|  | = Electrical Panel / Meter Box |  | = Satellite Dish |  | = Railroad |
|  | = Generator |  | = Well |  | = Power Line |



Site Name: Tumbling Peak
 Client #: WA7091
 MartinEnviro #: 2024-WEI-0014

Site Sketch
 (not to scale)



APPENDIX H

AERIAL PHOTOGRAPHS



HISTORICAL AERIALS

Project Property: WA7091 Tumbling Peak

520 Jenkins Drive

Cle Elum WA 98922

Project No: 2024-WEI-0014

Requested By: Martin Environmental Solutions, Inc.

Order No: 24102301245

Date Completed: October 28, 2024

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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Date	Source	Scale	Comments
1942	Agricultural Stabilization & Conserv. Service	1" = 500'	Photo Index - Best Available
1954	Agricultural Stabilization & Conserv. Service	1" = 500'	
1957	United States Geological Survey	1" = 500'	
1979	Earth Resource Observation And Science	1" = 500'	Best Copy Available
1983	United States Geological Survey	1" = 500'	
1990	United States Geological Survey	1" = 500'	Best Copy Available
1998	United States Geological Survey	1" = 500'	
2003	United States Department of Agriculture	1" = 500'	
2004	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2011	United States Department of Agriculture	1" = 500'	
2013	United States Department of Agriculture	1" = 500'	
2015	United States Department of Agriculture	1" = 500'	
2017	United States Department of Agriculture	1" = 500'	
2019	United States Department of Agriculture	1" = 500'	
2020	United States Department of Agriculture	1" = 500'	
2021	Maxar Technologies	1" = 500'	

Environmental Risk Information Services

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500
Feet

Parent Parcel

Subject Property

Year: 1942 Address: 520 Jenkins Drive, Cle Elum, WA
Source: ASCS Approx Center: -121.020833,47.188239
Scale: 1" = 500'
Comment: Photo Index - Best Available

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 1954
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 1957
Source: USGS
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 1979
Source: EROS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 1983
Source: USGS
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 1990
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 1998
Source: USGS
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

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

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

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

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

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

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

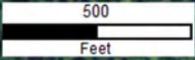
Subject Property

Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc



Parent Parcel

Subject Property

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

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

500
Feet

Parent Parcel

Subject Property

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

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 2013
Source: USDA
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 2015
Source: USDA
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 2017
Source: USDA
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

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

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

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

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

500
Feet

Parent Parcel

Subject Property

Year: 2021
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: 520 Jenkins Drive, Cle Elum, WA
Approx Center: -121.020833,47.188239

Order No: 24102301245

MartinEnviro
Martin Environmental Solutions Inc

APPENDIX I

RECORDS OF COMMUNICATION

From: [Christine Wheeler](#)
To: romans@cleelum.gov
Subject: 520 Jenkins Dr, Cle Elum, Washington 98922
Date: Friday, October 25, 2024 10:25:51 AM

Good afternoon,

I am requesting information on building permits and/or building code violations for the property located 520 Jenkins Dr, Cle Elum, Washington 98922. Please contact me at 1-904-737-1034 or by email at christine@martinenviro.com if any additional information is necessary.

Please let me know the total cost of the records prior to any cost being acquired.

Thank you for your assistance.

Christin Wheeler
Administrative Assistant
Martin Environmental Solutions Inc
3830 Crown Point Road, Suite F
Jacksonville, FL. 32257
Christine@martinenviro.com
904-737-1034 ext 3
904-437-2417

From: [Christine Wheeler](#)
To: emills@cleelum.gov
Subject: 520 Jenkins Dr, Cle Elum, Washington 98922
Date: Friday, October 25, 2024 10:24:32 AM

Good Afternoon,

I am requesting information regarding USTs and the storage, use, or disposal of hazardous materials for the property located at 520 Jenkins Dr, Cle Elum, Washington 98922. Please contact me at 1-904-737-1034 or by email at christine@martinenviro.com if any additional information is necessary.

Please let me know the total cost of the records prior to any cost being acquired.

Thank you for your assistance.

Christin Wheeler
Administrative Assistant
Martin Environmental Solutions Inc
3830 Crown Point Road, Suite F
Jacksonville, FL. 32257
Christine@martinenviro.com
904-737-1034 ext 3
904-437-2417

APPENDIX J

COMPUTERIZED ENVIRONMENTAL REPORT



DATABASE REPORT

Project Property: *WA7091 Tumbling Peak
520 Jenkins Drive
Cle Elum WA 98922*

Project No: *2024-WEI-0014*

Report Type: *Database Report*

Order No: *24102301245*

Requested by: *Martin Environmental Solutions, Inc.*

Date Completed: *October 25, 2024*

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Executive Summary

Property Information:

Project Property: WA7091 Tumbling Peak
520 Jenkins Drive Cle Elum WA 98922

Project No: 2024-WEI-0014

Coordinates:

Latitude: 47.188239
Longitude: -121.020833
UTM Northing: 5,227,982.85
UTM Easting: 649,935.79
UTM Zone: 10T

Elevation: 2,315 FT

Order Information:

Order No: 24102301245
Date Requested: October 23, 2024
Requested by: Martin Environmental Solutions, Inc.
Report Type: Database Report

Historicals/Products:

Aerial Photographs Historical Aerials (with Project Boundaries)
ERIS Xplorer [ERIS Xplorer](#)
Excel Add-On Excel Add-On
Product Summary Product Summary for Aerials, FIMs & Topos
Topographic Map Topographic Maps

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<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
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	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	1	1
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.

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	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

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	ALL SITES	ROAD WIDENING JENKINS DR	520 JENKINS DR CLE ELUM WA 98922	E	0.07 / 388.04	-100	17
2	ALL SITES	Kittitas County Public Works Bullfrog	BULLFROG RD BRIDGE OVER CLE ELUM RIVER 0.4 MILE NORTH OF I-90 CLE ELUM WA 98922	ENE	0.40 / 2,110.57	-321	17
3	MRDS	UNNAMED PIT	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10277537</i>	SSE	0.51 / 2,701.10	-338	18
4	MRDS	CLE ELUM PLACER	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10131687</i>	E	0.61 / 3,209.21	-343	18
5	MRDS	UNNAMED PIT	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10277105</i>	SW	0.62 / 3,250.77	-331	19
6	CSCSL	KAG Truck Spill	I90 MP 81 Cle Elum WA 98922	ESE	0.79 / 4,166.24	-350	19
7	MRDS	BULLFROG PIT	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10302106</i>	WSW	0.85 / 4,500.20	-301	20
8	MRDS	UNNAMED PIT	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10204420</i>	NW	0.85 / 4,500.67	17	20

Executive Summary: Summary by Data Source

Standard

State

CSCSL - Confirmed and Suspected Contaminated Sites List

A search of the CSCSL database, dated Sep 11, 2024 has found that there are 1 CSCSL site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
KAG Truck Spill	I90 MP 81 Cle Elum WA 98922	ESE	0.79 / 4,166.24	6

Non Standard

Federal

MRDS - Mineral Resource Data System

A search of the MRDS database, dated Mar 15, 2016 has found that there are 5 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	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10204420</i>	NW	0.85 / 4,500.67	8

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNNAMED PIT	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10277537</i>	SSE	0.51 / 2,701.10	3

CLE ELUM PLACER	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10131687</i>	E	0.61 / 3,209.21	4
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UNNAMED PIT	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10277105</i>	SW	0.62 / 3,250.77	5
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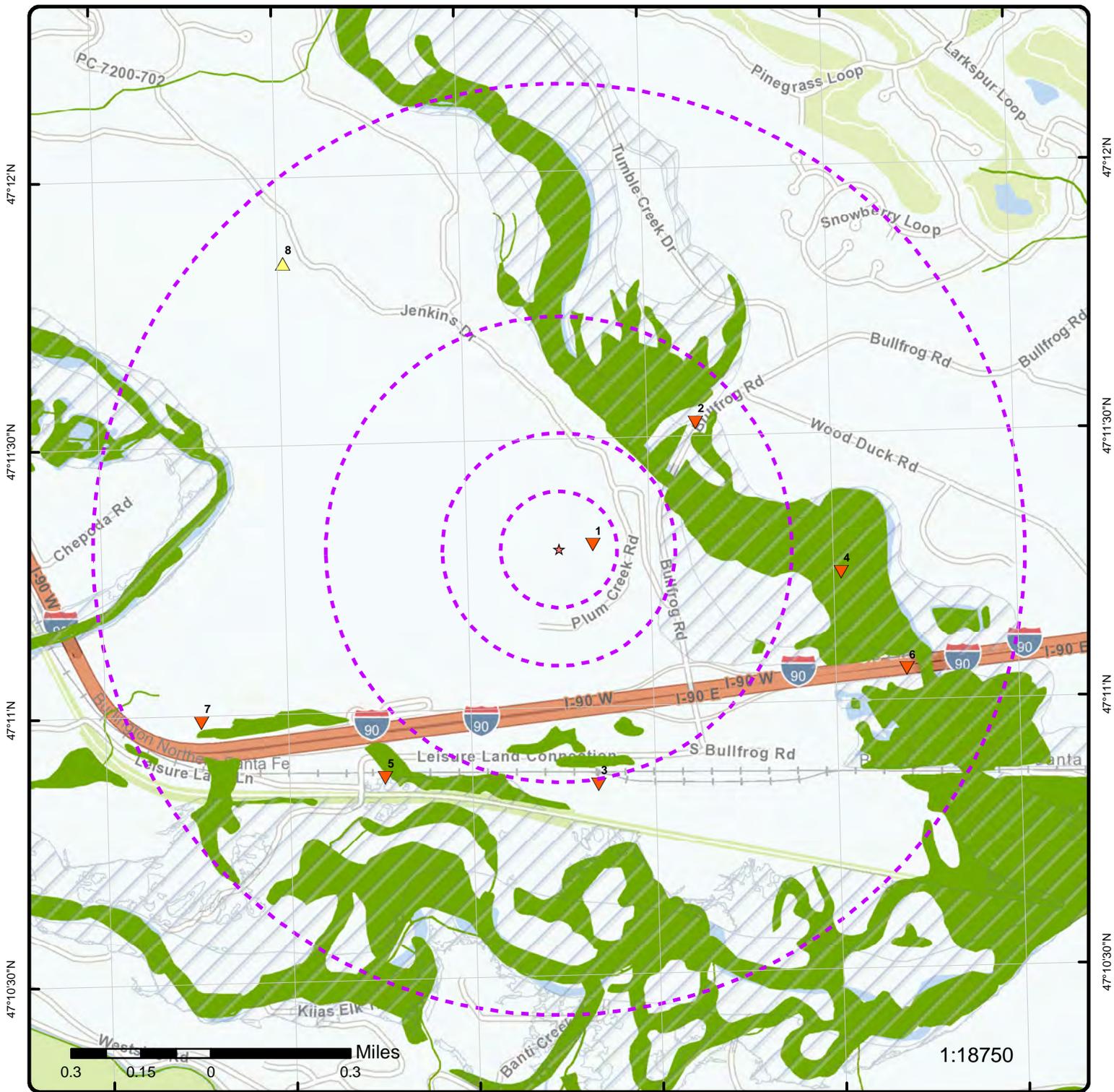
BULLFROG PIT	KITTITAS COUNTY CLE ELUM WA 98922 <i>Dep ID: 10302106</i>	WSW	0.85 / 4,500.20	7
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State

ALL SITES - Facility/Site Identification System

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

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ROAD WIDENING JENKINS DR	520 JENKINS DR CLE ELUM WA 98922	E	0.07 / 388.04	<u>1</u>
Kittitas County Public Works Bullfrog	BULLFROG RD BRIDGE OVER CLE ELUM RIVER 0.4 MILE NORTH OF I- 90 CLE ELUM WA 98922	ENE	0.40 / 2,110.57	<u>2</u>



Map: 1.0 Mile Radius

Order Number: 24102301245
 Address: 520 Jenkins Drive, Cle Elum, 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)



Map: 0.5 Mile Radius

Order Number: 24102301245

Address: 520 Jenkins Drive, Cle Elum, WA



1:9750

★ Project Property

--- Buffer Outline

▲ Sites with Higher Elevation

■ Sites with Same Elevation

▼ Sites with Lower Elevation

○ Sites with Unknown Elevation

▭ Areas with Higher Elevation

▭ Areas with Same Elevation

▭ Areas with Lower Elevation

▭ Areas with Unknown Elevation

▬ Freeways; Highways

▬ Traffic Circle; Ramp

▬ Major & Minor Arterial

▬ Traffic Circle; Ramp

▬ Local Road

▬ Rail

▬ State

▬ Country

▭ National Wetland

▭ Indian Reserve Land

▭ 100 Year Flood Zone

▭ 500 Year Flood Zone

▭ FWS Special Designation Areas

▭ National Priorities List (Active, Delisted, Proposed, Institutional Control)



Map: 0.25 Mile Radius

Order Number: 24102301245
Address: 520 Jenkins Drive, Cle Elum, 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)

121°2'W

121°1'30"W

121°1'W

121°0'30"W

47°11'30"N

47°11'30"N

47°11'N

47°11'N



Aerial Year: 2021

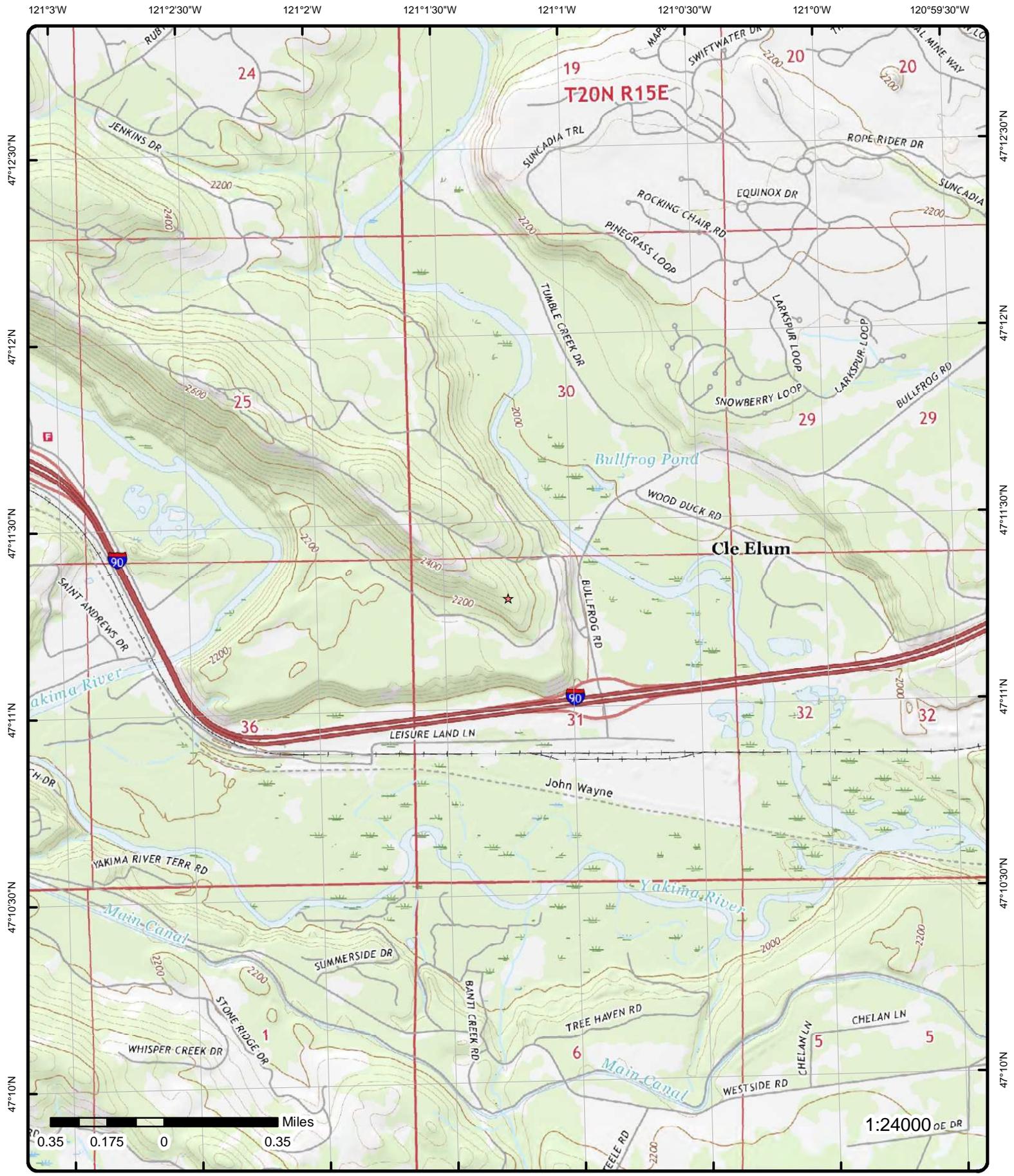
Address: 520 Jenkins Drive, Cle Elum, WA

Source: ESRI World Imagery

Order Number: 24102301245



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Topographic Map

Year: 2020

Order Number: 24102301245

Address: 520 Jenkins Drive, WA



Quadrangle(s): Ronald WA, Cle Elum WA

© ERIS Information Inc.

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	1 of 1	E	0.07 / 388.04	2,215.74 / -100	ROAD WIDENING JENKINS DR 520 JENKINS DR CLE ELUM WA 98922	ALL SITES

Facility/Site ID: 835
Point Y: 47.1864000001298
Point X: -121.016000000652
Source File: Washington State Department of Ecology Facilities - Sites Interactions; Washington State Department of Ecology Facilities - Sites

Facility/Site Interaction

Program ID: WAR011274	Interact Start Dt: 24-Nov-2008
Interaction ID: 85342	Interact End Dt: 31-Dec-2015
Interaction Status: I	Ecology Program: WATQUAL
Interac Stat Desc: Inactive	Prog Database Name: PARIS
Interaction Type: CONSTSWGP	
Facility Alternate: ROAD WIDENING JENKINS DR	
Interaction Desc: Construction SW GP	
Program Name Desc: Water Quality Program	
Database Name Desc: Permitting & Reporting Information System	

Facility Location Detail

Coord Extension: 0	Horizont Accuracy: 99
Coord Geog: 0	Hor Dtm Co: 4
Horizontal: Unknown	Horz Coll Meth Cd: 99
Horizont 1: WGS84	Location Verified:
Horizont 2: Unknown	Geo Loc ID: 835

<u>2</u>	1 of 1	ENE	0.40 / 2,110.57	1,994.57 / -321	Kittitas County Public Works Bullfrog BULLFROG RD BRIDGE OVER CLE ELUM RIVER 0.4 MILE NORTH OF I-90 CLE ELUM WA 98922	ALL SITES
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Facility/Site ID: 7370432
Point Y: 47.1920700003573
Point X: -121.014469999432
Source File: Washington State Department of Ecology Facilities - Sites Interactions; Washington State Department of Ecology Facilities - Sites

Facility/Site Interaction

Program ID: WAH000023397	Interact Start Dt: 07-May-2004
Interaction ID: 20612	Interact End Dt: 31-Dec-2004
Interaction Status: I	Ecology Program: HAZWASTE
Interac Stat Desc: Inactive	Prog Database Name: TURBOWASTE
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	

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

Facility Location Detail

Coord Extension:	99	Horizontal Accuracy:	99
Coord Geog:	8	Hor Dtm Co:	2
Horizontal:	Unknown	Horz Coll Meth Cd:	4
Horizont 1:	NAD83	Location Verified:	
Horizont 2:	Address	Geo Loc ID:	7370432

3	1 of 1	SSE	0.51 / 2,701.10	1,977.66 / -338	UNNAMED PIT KITTITAS COUNTY CLE ELUM WA 98922	MRDS
----------	---------------	------------	------------------------	------------------------	--	-------------

Dep ID:	10277537	I1:	25
Dev Status:	PAST PRODUCER	Latitude:	47.180908
Code List:	SDG	Longitude:	-121.019287
Url:	http://mrddata.usgs.gov/mrds/show-mrds.php?dep_id=10277537		

Commodity

I1:	47	Line:	1
Code:	SDG	Inserted By:	MAS migration
Commodity:	Sand and Gravel, Cons	Insert Date:	29-OCT-02
Commodity Type:	Non-metallic	Updated By:	USGS
Commodity Group:	Sand and Gravel	Update Date:	29-OCT-02
Importance:	Primary		

Names

I1:	38	Inserted By:	MAS migration
Status:	Previous	Insert Date:	29-OCT-02
Site Name:	N P Ry	Updated By:	USGS
Line:	2	Update Date:	29-OCT-02

Names

I1:	38	Inserted By:	MAS migration
Status:	Current	Insert Date:	29-OCT-02
Site Name:	Unnamed Pit	Updated By:	USGS
Line:	1	Update Date:	29-OCT-02

4	1 of 1	E	0.61 / 3,209.21	1,972.19 / -343	CLE ELUM PLACER KITTITAS COUNTY CLE ELUM WA 98922	MRDS
----------	---------------	----------	------------------------	------------------------	--	-------------

Dep ID:	10131687	I1:	24
Dev Status:	PROSPECT	Latitude:	47.187317
Code List:	AU	Longitude:	-121.007996
Url:	http://mrddata.usgs.gov/mrds/show-mrds.php?dep_id=10131687		

Commodity

I1:	44	Line:	1
Code:	AU	Inserted By:	MAS migration
Commodity:	Gold	Insert Date:	29-OCT-02
Commodity Type:	Metallic	Updated By:	USGS
Commodity Group:	Gold	Update Date:	29-OCT-02
Importance:	Primary		

Names

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
I1: Status: Site Name: Line:	38 Current Cle Elum Placer 1				Inserted By: Insert Date: Updated By: Update Date:	MAS migration 29-OCT-02 USGS 29-OCT-02

5	1 of 1	SW	0.62 / 3,250.77	1,984.05 / -331	UNNAMED PIT KITITAS COUNTY CLE ELUM WA 98922	MRDS
Dep ID: Dev Status: Code List: Url:	10277105 PAST PRODUCER SDG http://mrddata.usgs.gov/mrds/show-mrds.php?dep_id=10277105			I1: Latitude: Longitude:	22 47.181274 -121.028992	

Commodity

I1: Code: Commodity: Commodity Type: Commodity Group: Importance:	92 SDG Sand and Gravel, Cons Non-metallic Sand and Gravel Primary	Line: Inserted By: Insert Date: Updated By: Update Date:	1 MAS migration 29-OCT-2002 09:00:24 USGS 29-OCT-2002 09:02:25
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Names

I1: Status: Site Name: Line:	38 Previous Dept of Highways 2	Inserted By: Insert Date: Updated By: Update Date:	MAS migration 29-OCT-02 USGS 29-OCT-02
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Names

I1: Status: Site Name: Line:	10 Current Unnamed Pit 1	Inserted By: Insert Date: Updated By: Update Date:	MAS migration 29-OCT-02 USGS 29-OCT-02
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6	1 of 1	ESE	0.79 / 4,166.24	1,965.21 / -350	KAG Truck Spill 190 MP 81 Cle Elum WA 98922	CSCSL
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Fac Site ID: Cleanup Site ID: Site Status: Site Rank: Current VCP: Past VCP: Has Inst Control: County: Region: Latitude: Longitude: Site Name: Address: City: Zip Code: Site Status (OD): Site Name (OD): Address (OD): City (OD): Zipcode (OD): Location (OD): Alternate Site Names:	Cleanup Started KAG Truck Spill 190 MP 81 Cle Elum 98922 " (47.18427, -121.005121)	Responsible Unit: Fac Site ID (OD): Cleanup SiteID(OD): Site Rank (OD): Has Env Coven (OD): Respon Unit (OD): County (OD): Region (OD): Longitude (OD): Latitude (OD):	16970 12993 Central Kittitas Central -121.005121 47.18427
--	--	---	---

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Data Source(s): Cleanup Sites (Open Data Portal); Open Data Portal - Media and Contaminants
Site URL: <https://apps.ecology.wa.gov/cleanupsearch/site/12993>
Site Details URL: <https://apps.ecology.wa.gov/cleanupsearch/reports/cleanup/sitedetails/12993>

Open Data Portal - Media and Contaminants as of September 2024

Contaminant: Petroleum-Gasoline
Contaminant Media: Soil
Contaminant Status: Confirmed Above Cleanup Levels

Contaminant: Petroleum-Gasoline
Contaminant Media: Groundwater
Contaminant Status: Confirmed Above Cleanup Levels

7	1 of 1	WSW	0.85 / 4,500.20	2,014.10 / -301	BULLFROG PIT KITTITAS COUNTY CLE ELUM WA 98922	MRDS
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Dep ID: 10302106
Dev Status: PAST PRODUCER
Code List: SDG
Url: http://mrddata.usgs.gov/mrds/show-mrds.php?dep_id=10302106

I1: 16
Latitude: 47.183105
Longitude: -121.037292

Commodity

I1: 84
Code: SDG
Commodity: Sand and Gravel, Cons
Commodity Type: Non-metallic
Commodity Group: Sand and Gravel
Importance: Primary

Line: 1
Inserted By: MAS migration
Insert Date: 29-OCT-2002 09:00:24
Updated By: USGS
Update Date: 29-OCT-2002 09:02:35

Names

I1: 38
Status: Current
Site Name: Bullfrog Pit
Line: 1

Inserted By: MAS migration
Insert Date: 29-OCT-02
Updated By: USGS
Update Date: 29-OCT-02

8	1 of 1	NW	0.85 / 4,500.67	2,332.21 / 17	UNNAMED PIT KITTITAS COUNTY CLE ELUM WA 98922	MRDS
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Dep ID: 10204420
Dev Status: PAST PRODUCER
Code List: SDG
Url: http://mrddata.usgs.gov/mrds/show-mrds.php?dep_id=10204420

I1: 12
Latitude: 47.197327
Longitude: -121.033081

Commodity

I1: 45
Code: SDG
Commodity: Sand and Gravel, Cons
Commodity Type: Non-metallic
Commodity Group: Sand and Gravel
Importance: Primary

Line: 1
Inserted By: MAS migration
Insert Date: 29-OCT-02
Updated By: USGS
Update Date: 29-OCT-02

Names

I1: 38
Status: Current

Inserted By: MAS migration
Insert Date: 29-OCT-02

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Site Name:	Unnamed Pit				Updated By:	USGS
Line:	1				Update Date:	29-OCT-02

Names

I1:	38				Inserted By:	MAS migration
Status:	Previous				Insert Date:	29-OCT-02
Site Name:	Unknown				Updated By:	USGS
Line:	2				Update Date:	29-OCT-02

Unplottable Summary

Total: 1 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
RCRA NON GEN	KITTITAS COUNTY PUBLIC WORKS BULLFROG	BULLFROG RD BRIDGE OVER CLE ELUM RIVER 0.4 MILE N OF I-90 <i>EPA Handler ID: WAH000023397</i>	CLE ELUM WA	98922	810177506

Unplottable Report

Site: KITTITAS COUNTY PUBLIC WORKS BULLFROG
BULLFROG RD BRIDGE OVER CLE ELUM RIVER 0.4 MILE N OF I-90 CLE ELUM WA 98922

RCRA NON GEN

EPA Handler ID: WAH000023397
Gen Status Universe: No Report
Contact Name: JOHN NIXON
Contact Address: 411 N RUBY ST STE 1 , , ELLENSBURG , WA, 98426 , US
Contact Phone No and Ext: 509-962-7523
Contact Email: JOHN@KITTITAS.WA.US
Contact Country: US
County Name: KITTITAS
EPA Region: 10
Land Type: County
Receive Date: 20050428
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

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

Handler Summary

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

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20040504
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20050427
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20050427
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Waste Code Details

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20050427
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG
Source Type: Notification
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20050428
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator	Street No:
Type: County	Street 1: 411 N RUBY ST STE 1
Name: KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2: ELUM RIVER 0.4 MILE N OF I-90
Date Became Current:	City: ELLENSBURG
Date Ended Current:	State: WA
Phone: 509-962-7523	Country: US
Source Type: Notification	Zip Code: 98426

Owner/Operator Ind: Current Operator	Street No:
Type: Private	Street 1: 411 N RUBY ST STE 1
Name: KITTITAS CNTY D K	Street 2:
Date Became Current: 19000101	City: ELLENSBURG
Date Ended Current:	State: WA
Phone: 509-962-7523	Country: US
Source Type: Implementer	Zip Code: 98426-6300

Owner/Operator Ind: Current Operator	Street No:
Type: County	Street 1: 411 N RUBY ST STE 1
Name: KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:
Date Became Current:	City: ELLENSBURG
Date Ended Current:	State: WA
Phone: 509-962-7523	Country: US
Source Type: Notification	Zip Code: 98426-6300

Owner/Operator Ind: Current Owner	Street No:
Type: County	Street 1: 411 N RUBY ST STE 1
Name: KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:
Date Became Current:	City: ELLENSBURG
Date Ended Current:	State: WA
Phone: 509-962-7523	Country: US
Source Type: Implementer	Zip Code: 98426-6300

Owner/Operator Ind: Current Operator	Street No:
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Type:	Private	Street 1:	411 N RUBY ST STE 1
Name:	KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:	ELUM RIVER 0.4 MILE N OF I-90
Date Became Current:		City:	ELLENSBURG
Date Ended Current:		State:	WA
Phone:	509-962-7523	Country:	US
Source Type:	Implementer	Zip Code:	98426
Owner/Operator Ind:	Current Owner	Street No:	
Type:	County	Street 1:	411 N RUBY ST STE 1
Name:	KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:	ELUM RIVER 0.4 MILE N OF I-90
Date Became Current:	20041231	City:	ELLENSBURG
Date Ended Current:		State:	WA
Phone:	509-962-7523	Country:	US
Source Type:	Notification	Zip Code:	98426
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	411 N RUBY ST STE 1
Name:	KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:	ELUM RIVER 0.4 MILE N OF I-90
Date Became Current:	20041231	City:	ELLENSBURG
Date Ended Current:		State:	WA
Phone:	509-962-7523	Country:	US
Source Type:	Implementer	Zip Code:	98426
Owner/Operator Ind:	Current Operator	Street No:	
Type:	County	Street 1:	411 N RUBY ST STE 1
Name:	KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:	
Date Became Current:		City:	ELLENSBURG
Date Ended Current:		State:	WA
Phone:	509-962-7523	Country:	US
Source Type:	Implementer	Zip Code:	98426-6300
Owner/Operator Ind:	Current Owner	Street No:	
Type:	County	Street 1:	411 N RUBY ST STE 1
Name:	KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:	
Date Became Current:		City:	ELLENSBURG
Date Ended Current:		State:	WA
Phone:	509-962-7523	Country:	US
Source Type:	Notification	Zip Code:	98426-6300
Owner/Operator Ind:	Current Owner	Street No:	
Type:	County	Street 1:	411 N RUBY ST STE 1
Name:	KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:	ELUM RIVER 0.4 MILE N OF I-90
Date Became Current:		City:	ELLENSBURG
Date Ended Current:		State:	WA
Phone:	509-962-7523	Country:	US
Source Type:	Notification	Zip Code:	98426
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	411 N RUBY ST STE 1
Name:	KITTITAS CNTY D K	Street 2:	
Date Became Current:	19000101	City:	ELLENSBURG
Date Ended Current:		State:	WA
Phone:	509-962-7523	Country:	US
Source Type:	Implementer	Zip Code:	98426-6300
Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	411 N RUBY ST STE 1
Name:	KITTITAS CNTY DEPT OF PUBLIC WORKS	Street 2:	ELUM RIVER 0.4 MILE N OF I-90
Date Became Current:		City:	ELLENSBURG
Date Ended Current:		State:	WA
Phone:	509-962-7523	Country:	US
Source Type:	Implementer	Zip Code:	98426

Historical Handler Details

Receive Dt: 20050427
Generator Code Description: Not a Generator, Verified
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG

Receive Dt: 20050427

Generator Code Description: Large Quantity Generator
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG

Receive Dt: 20050427
Generator Code Description: Not a Generator, Verified
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG

Receive Dt: 20040504
Generator Code Description: Not a Generator, Verified
Handler Name: KITTITAS COUNTY PUBLIC WORKS BULLFROG

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: Jul 24, 2024

SEMS List 8R Archive Sites:

[SEMS ARCHIVE](#)

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

Government Publication Date: Jul 24, 2024

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

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: Sep 25, 2024

Federal Institutional Controls-ICs:[FED INST](#)

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

Government Publication Date: Sep 25, 2024

Land Use Control Information System:

LUCIS

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

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites:

NPL IC

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: Jul 14, 2024

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

FED BROWNFIELDS

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

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing:

FEMA UST

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

Government Publication Date: Dec 31, 2017

Facility Response Plan:

FRP

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

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans:

DELISTED FRP

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

Government Publication Date: Jan 9, 2024

Historical Gas Stations:

[HIST GAS STATIONS](#)

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

Government Publication Date: Jul 1, 1930

Petroleum Refineries:

[REFN](#)

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

Government Publication Date: Jun 6, 2024

Petroleum Product and Crude Oil Rail Terminals:

[BULK TERMINAL](#)

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

Government Publication Date: Jun 6, 2024

LIEN on Property:

[SEMS LIEN](#)

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

Government Publication Date: Jul 24, 2024

Superfund Decision Documents:

[SUPERFUND ROD](#)

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

Government Publication Date: Jul 24, 2024

Formerly Utilized Sites Remedial Action Program:

[DOE FUSRAP](#)

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

Government Publication Date: Mar 4, 2017

State

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 serves a purpose similar to that of the federal NPL, functioning as a state-level counterpart for prioritizing cleanup efforts at hazardous substance release sites.

Government Publication Date: Sep 11, 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 serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

Government Publication Date: Sep 11, 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: Sep 11, 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: Sep 11, 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: Aug 21, 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: Sep 11, 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: Aug 29, 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: Aug 29, 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.

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: Sep 11, 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: Jul 9, 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: Sep 11, 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: Sep 11, 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: Sep 11, 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: Sep 11, 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).

Government Publication Date: May 7, 2024

Delisted Tribal Underground Storage Tanks:

[DELISTED INDIAN UST](#)

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

Government Publication Date: May 7, 2024

County

No County 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: Aug 5, 2024

On-Scene Coordinator Response Sites:

[OSC RESPONSE](#)

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

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index:

[FINDS/FRS](#)

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

Government Publication Date: Aug 1, 2024

Toxics Release Inventory (TRI) Program:

[TRIS](#)

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

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites:

[PFAS NPL](#)

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

Government Publication Date: Sep 18, 2024

Federal Agency Locations with Known or Suspected PFAS Detections:

[PFAS FED SITES](#)

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

Government Publication Date: Apr 1, 2024

SSEHRI PFAS Contamination Sites:

[PFAS SSEHRI](#)

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

Government Publication Date: Jun 27, 2024

National Response Center PFAS Spills:

[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: Aug 5, 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: Jul 29, 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.

PFAS Water Quality Portal Sampling Data:

[PFAS WATER](#)

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

Government Publication Date: Jul 22, 2024

PFAS TSCA Manufacture and Import Facilities:

[PFAS TSCA](#)

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

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest :

[PFAS E-MANIFEST](#)

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

Government Publication Date: Jul 23, 2024

PFAS Industry Sectors:

[PFAS IND](#)

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

Government Publication Date: Sep 23, 2024

Hazardous Materials Information Reporting System:

[HMIRS](#)

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

Government Publication Date: May 29, 2024

National Clandestine Drug Labs:

[NCDL](#)

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

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act:

[TSCA](#)

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

Government Publication Date: May 12, 2022

Hist TSCA:

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

[FTTS ADMIN](#)

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

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

[FTTS INSP](#)

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

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

[PRP](#)

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

Government Publication Date: Jul 24, 2024

State Coalition for Remediation of Drycleaners Listing:

[SCRD DRYCLEANER](#)

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRDC 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: Aug 29, 2024

Superfunds Consent Decrees:

[CONSENT DECREES](#)

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

Government Publication Date: Jun 26, 2024

Air Facility System:

[AFS](#)

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

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments:

[SSTS](#)

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

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers:

[PCBT](#)

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

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

[PCB](#)

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

Government Publication Date: May 23, 2024

Power Plants:

[POWER PLANTS](#)

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

Government Publication Date: Apr 15, 2024

State

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: Aug 29, 2024

Spills Incidents Sites:

[SPILLS](#)

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

Government Publication Date: Jul 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: Jul 9, 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: Jul 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: Aug 23, 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: Sep 19, 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.

APPENDIX K

SITE RECONNAISSANCE PHOTOGRAPHS



Photo 1 – Facing west along access toward *Subject Property*



Photo 2 – Facing west along access toward *Subject Property*



Photo 3 – Facing south along access toward *Subject Property*



Photo 4 – Facing north overlooking *Subject Property*



Photo 5 – Facing south overlooking *Subject Property*



Photo 6 – Facing east overlooking *Subject Property*



Photo 7 – Facing west overlooking *Subject Property*



Photo 8 – Facing north from *Subject Property*



Photo 9 – Facing south from *Subject Property*



Photo 10 – Facing east from *Subject Property*



Photo 11 – Facing west from *Subject Property*



Photo 12 – Facing north along Jenkins Drive at access entrance



Photo 13 – Facing south along Bullfrog Road at access entrance



Photo 14 – Facing north along Bullfrog Road at access entrance

APPENDIX L

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

VICTORIA FEIST
Field Technician

Fields of Specialization

Ms. Feist specializes in performing Phase I Environmental Site Assessments (ESAs). She specializes in telecommunications sites at this time.

Experience

Ms. Feist has performed numerous site visits of telecom sites across the USA and is an instrumental part of MartinEnviro's field team. She has also visited and conducted site assessments on industrial and commercial sites as well as well as conducting National Environmental Policy Act (NEPA) site reconnaissance.

Education

A.S Network Administration
B.S. Technology Information Management

CAROL WHEELER
Project Scientist

Fields of Specialization

Ms. Wheeler has experience in performing Phase I Environmental Site Assessments across the country over the past 13 years. Ms. Wheeler specializes in Phase I Field Assessments, Phase I Site Assessment Reports, Regulatory File Reviews and Assessments of telecommunication and Real Estate Facilities/Properties.

Experience

Ms. Wheeler has widespread experience with Phase I Environmental Site Assessments, Desktop ASTM Screens, and Phase II Environmental Site Assessments for various property types. She has extensive experience in conducting field environmental field inspections, the research of historical resources such as aerial photographs, topographic maps, city directories, fire insurance maps, and title information in association with Phase I Environmental Site Assessments.

Ms. Wheeler has experience handling large real estate/telecom portfolios at one time; being involved in all aspects of the Phase I Assessment process from field work to the research and discovery phase to writing the deliverable report. Her experience has included properties and telecom sites all across the USA as well as Puerto Rico with property sizes ranging from small tower compounds to large real estate acreage. Types of industry have included telecom, real estate, gasoline stations, manufacturing firms, multi-tenant properties and various others. Ms. Wheeler has also become adept at organizing and implementing various sub-contractors across the environmental realm.

MELISSA KENNEDY

Project Manager

Fields of Specialization

Ms. Kennedy has diversified experience in the environmental field over the past 13 years, including Phase I and Phase II Environmental Site Assessments, indoor air quality studies, industrial hygiene, lead-based paint studies, asbestos identification and abatement supervision, and sample collection and analysis of water, soil, and air.

Experience

Ms. Kennedy has had significant experience in conducting Phase I Environmental Site Assessments for commercial real estate. She has extensive experience in conducting site inspections and in the research of historical resources such as aerial photographs, topographic maps, city directories, fire insurance maps, regulatory files, interviews with property owners, and title information in association with Phase I Environmental Site Assessments.

Ms. Kennedy has years of experience in water and soil sampling for commercial and government clientele. She has experience with long-term natural attenuation groundwater monitoring projects at military bases and the delineation of contamination plumes. She has been involved with several Phase II investigations for commercial clients and real estate transactions. She also has experience with water sampling for drinking water criteria.

Ms. Kennedy has performed a variety of industrial hygiene services including sound level mapping, employee dosimetry, Grade D air testing, respirator fit testing, indoor air quality studies, microbial site assessments, microbial remediation specifications, and microbial contractor supervision and clearance. She has performed employee exposure monitoring for organic compounds and toxic metals. Ms. Kennedy has an extensive background in asbestos and lead studies for residential, commercial, and industrial properties for a variety of civilian and military clients. She has completed National Emissions Standards for Hazardous Air Pollutants (NESHAP) asbestos building inspections, asbestos abatement supervision and air monitoring, and Asbestos Hazard Emergency Response Act (AHERA) School Triennial Asbestos Re-Inspections. She is qualified to determine asbestos fiber concentration via Polarized Light Microscopy. She is an Environmental Protection Agency (EPA) certified Lead Risk Assessor and has performed lead-based paint inspections via an XRF analyzer and paint chip sampling, as well as performing lead risk assessments, lead hazard screens, lead-based paint abatement oversight, and writing lead-based paint abatement specifications.

Certifications and Affiliations

- EPA Certified Lead Risk Assessor
- OSHA 40 Hour Hazardous Materials / Waste Operations Certification
- 3-Day Asbestos Building Inspector Certification
- NIOSH 582 Equivalent Microscopy Certification

Education

B.S. Biological Sciences with minor in Chemistry
Florida State University

THOMAS (TOM) MARTIN

Principle Scientist / President

Fields of Specialization

Mr. Martin has over 30 years of diversified experience in the field of environmental consulting, hazardous waste management and health and safety management. He has conducted and managed extensive portfolios of Phase I and Phase II Environmental Site Assessments and National Environmental Policy Act reviews throughout the United States, Canada, Virgin Islands and Puerto Rico. Mr. Martin has been involved in studies, including but not limited to, subsurface site investigation, conservation management, wetlands delineation and permitting/mitigation, EPA and OSHA audits of numerous industrial and government facilities, underground storage tank (UST) installation, management and removals, lead-based paint studies, management and removal, asbestos identification, management and removal/abatement, and threatened and endangered species (plant and animal) identification, management, permitting and re-location.

Mr. Martin played an integral part of developing current due diligence practices for lending institutions in regard to securitization in the telecom industry and spearheaded the consultant team for the first five large tower securitization projects involving global Signal, Crown Castle, American Tower (twice) and SBA. Mr. Martin also managed the acquisition of 3,000 towers by TowerCo that involved full due diligence (Phase I Site Assessments and NEPA Compliance) of all towers involved in the transaction.

Mr. Martin has conducted national seminars on environmental assessments/site transaction and National Environmental Policy Act reviews, and is recognized as a national expert in the field of consulting in regards to environmental issues. Prior to becoming a consultant, he also served as a senior Industrial Hygienist for Martin Marietta Aerospace for 12 years.

Experience

Mr. Martin has experience with all aspects of environmental issues in the industrial, commercial and governmental factions. He has provided consulting services in the areas of environmental assessments and audits, wetlands studies and investigations, endangered and threatened species (plant and animal) assessments, land surveying, construction and monitoring of solid waste and hazardous waste landfills, geotechnical exploration, foundation design, risk management, hazardous waste management, site investigation, industrial hygiene, air pollution control, toxic substance control, and environmental health. Mr. Martin also has extensive experience in managing health and safety programs. Mr. Martin has carried certifications in lead and asbestos identification, management and abatement.

Education

B.S. Biology and Environmental Sciences / Chemistry
University of Central Florida

Graduate studies in Genetic Research, Ecology, and Chemistry
University of Central Florida