

November 27, 2024

Joe Irwin
Helion Energy Inc.
Via E-Mail: Joe.Irwin@helionenergy.com

Phase I Environmental Site Assessment
Helion Energy Power Plant Facility
Chelan County Parcel Number 212205000050
Chelan County, Washington

Prepared by:
Nelson Geotechnical Associates, Inc.
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Wenatchee, Washington 98801



11/27/24

CHRISTOPHER LINDEN WARD-GUTHRIE

Chris Ward-Guthrie, LG
Project Geologist



11/27/24

Khaled M. Shawish, PE
Principal

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E 1.0 Executive Summary

Nelson Geotechnical Associates, Inc. (NGA), has completed this Phase I Environmental Site Assessment (ESA) for Joe Irwin with Helion Energy, Inc, at the subject property located east of Colockum Road (Malaga Alcoa Highway), northeast of Nixon Rapids Lane (Rock Island Dam Road) and southwest of the Rock Island Dam near Malaga in Chelan County, Washington. The Chelan County parcel number for the subject property is 212205000050. The proposed project site consists of a smaller, approximately 6.0-acre subleased portion of the parcel, which is owned by Public Utility District No. 1 of Chelan County (Chelan County PUD).

This Phase I Environmental Site Assessment (ESA) was conducted in accordance with the American Society for Testing and Materials (ASTM) Practice E1527–21 (Standard Practice for ESA: Phase I ESA Process), and the United States Environmental Protection Agency’s (USEPA) 2006 All Appropriate Inquiry (AAI) Rule (40 CFR Part 312). Completion of a Phase I ESA, in accordance with ASTM Practice and AAI Rule is needed to qualify for the bona fide prospective purchaser liability protections available under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the property of hazardous substances or petroleum products as defined in ASTM E1527-21 as a recognized environmental condition (REC).

E 1.1 Facility Description

The subject property is located east of Colockum Road (Malaga Alcoa Highway), northeast of Nixon Rapids Lane (Rock Island Dam Road), and southwest of the Rock Island Dam near Malaga in Chelan County, Washington, and is comprised of Chelan County parcel number 212205000050. The proposed project site consists of a smaller approximately 6.0-acre subleased portion of the parcel, which is owned by Public Utility District No. 1 of Chelan County (Chelan County PUD). The proposed project site is currently undeveloped and is bound by Nixon Rapids Lane to the south, with the remainder of the surrounding land consisting of rural rangeland containing power lines and poles associated with Chelan County PUD and Rock Island Dam.

E 1.2 Environmental Database and File Review

No environmental or regulatory information was listed for this Subject Property in the regulatory databases searched. The environmental database search report did not identify any regulated sites within the designated search distances from the Subject Property that may pose an environmental risk in connection with the Subject Property.

1.0 INTRODUCTION

NGA has completed this Phase I ESA for Joe Irwin with Helion Energy, Inc., east of Colockum Road (Malaga Alcoa Highway), northeast of Nixon Rapids Lane (Rock Island Dam Road), and southwest of the Rock Island Dam near Malaga in Chelan County, Washington. The proposed project site consists of a smaller approximately 6.0-acre subleased portion of the parcel, which is owned by Public Utility District No. 1 of Chelan County (Chelan County PUD). The project site location is depicted on the Site Vicinity Map and Schematic Site Plan (Figures 1 and 2).

This Phase I ESA was authorized by Joe Irwin with Helion Energy, Inc., in support of the User’s due diligence in consideration of the transaction regarding the subject property.

1.1 Purpose

The purpose of this Phase I ESA is to:

- Identify recognized environmental conditions of the subjected property per the standards defined in the ASTM E1527-21, which states: The presence or likely presence of any hazardous substances or petroleum products in, on, or at a subject property: (1) due to any release to the environment;

(2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

- Satisfy the criteria of the United States Environmental Protection Agency (USEPA) 40 Code of Federal Regulations (CFR) Part 312, Subpart C Standards and Practices § 312.20 AAI Rule.

1.2 Scope of Phase I ESA

The scope of services provided for this ESA included:

- **Site Reconnaissance:** including a visual inspection of the subject property and any structures found on the subject property limited to readily accessible exterior and interior areas. The site reconnaissance will include visual and physical observations of adjoining properties. Information regarding current and past uses of the subject property and adjoining properties was collected as relevant to recognized environmental conditions.
- **Records Review:** including federal, state, and local sources that contain information about hazardous substances and underground storage tanks.
- **Interviews:** of the owner, key site managers, and applicable occupants of the subject property as well as relevant local government officials.
- **Map and Aerial Photos:** review maps and aerial photos of the subject property and adjoining properties to characterize the geologic, hydrogeologic, and topographic conditions of the subject property, in addition to its present and past uses.
- **Report Preparation:** that presents the environmental conditions encountered, opinions on site environmental conditions, and conclusions and recommendations for further investigation, if applicable.

Users of this report are cautioned that local, state, and federal regulations may require additional obligations outside the scope of this report.

1.3 Assumptions, Limitations, and Exceptions

This Phase I ESA was prepared for Joe Irwin with Helion Energy, Inc., for the subject property located in Chelan County, Washington at Chelan County parcel number 212205000050. This report is intended to be used in its entirety. Excerpts used from this report are not necessarily representative of the findings or our assessment. NGA cannot assume responsibility for the use of this report for any subject property other than the Subject Property addressed herein, or by any other third party without a written authorization from NGA.

NGA's scope of services, as described in Section 1.2, was limited to that agreed to with the User and no other services beyond those explicitly stated are implied. The services provided and agreed upon for this effort were executed in accordance with the ASTM Standard E1527-21. A Phase I ESA is site and time-specific and is only applicable to the parcel identified herein for the given timing of the assessment. Sampling for environmental evaluation (e.g. soil borings and groundwater sampling), were not performed as part of this Phase I ESA.

This Phase I ESA was not intended to be a definitive investigation of the subject property for possible environmental impacts. The purpose of this investigation was limited to determining if there is reason to suspect the possibility of Recognized Environmental Conditions (RECs) at the Subject Property. Future investigations may identify environmental conditions not recognized by this report if new information, technology, analytical techniques, or other factors become available. Our investigation is intended to reduce, but does not eliminate, uncertainty regarding recognized environmental conditions.

1.4 Special Terms, Conditions, and User Reliance

The client has requested no special terms or conditions regarding this study. NGA has prepared this report specifically for use by Helion Energy, Inc., and their agents. Other parties cannot rely on this Phase I ESA, and the conclusions within, unless NGA receives a written request from the Client.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Location and Legal Description

The subject property is located near Malaga in Chelan County, Washington east of Colockum Road (Malaga Alcoa Highway), northeast of Nixon Rapids Lane (Rock Island Dam Road), and southwest of the Rock Island Dam near Malaga in Chelan County, Washington. The proposed project site consists of a smaller approximately 6.0-acre subleased portion of the parcel, which is owned by Public Utility District No. 1 of Chelan County (Chelan County PUD) and is bound by Nixon Rapids Lane to the south, with the remainder of the surrounding land consisting of rural rangeland containing power lines and poles associated with Chelan County PUD and Rock Island Dam. Access to the proposed project site is provided by Nixon Rapids Lane.

The full legal descriptions of the properties contained in this site are as follows:

APN/Property ID (Main Parcel): 212205000050

1476 Nixon Rapids Lane, Malaga, WA 98828

T 21N R 22EWM S 05 G L 2&5 SWNWSW S1/2SE LESS USA 401.0000 ACRES

2.2 Subject Property and Vicinity General Characteristics

Topographically, the proposed project site and nearby vicinity generally slopes gently from west to east with generally east- to west-trending undulations. The proposed project site is currently unoccupied. Areas around the subject property are generally undeveloped with the Rock Island Dam and associated buildings to the northeast and east of the proposed project site.

2.3 Current Use of Subject Property and Adjoining Properties

The following table summarizes the current ownership and uses of the parcels comprised within the proposed project site.

Parcel Number	Subject Property Owner	Acres	Parcel Use
212205000050	CHELAN COUNTY PUD	401.00	Utilities

2.4 Description of Structures, Roads, and Other Property Improvements

No other subject property improvements are apparent at the proposed project site. The proposed project site area consists of relatively level terrain covered in native grasses, sagebrush, and rock. Access to the proposed project site is provided by Nixon Rapids Lane.

3.0 USER-PROVIDED INFORMATION

3.1 User/Owner Questionnaires

A user questionnaire was completed by Ms. Vicki Griffin on November 22, 2024. Ms. Griffin is the real estate and permitting manager at Chelan PUD, and a knowledgeable person with respect to proposed project site conditions and limited historical information. Ms. Griffin was not aware of any environmental issues at the proposed project site that would lead to possible RECs. The completed user questionnaire is attached to this report as Appendix G.

3.2 Title Records

Title records for the subject parcels were obtained from Chelan County official records online search tool. The title records are attached to this report as Appendix F.

3.3 Environmental Liens or Activity and Use Limits

The user is unaware of any environmental liens or cleanup associated with the subject property. Based on our site research, we did not identify any indication of past or recent environmental lien or activity and use limitations associated with the subject property.

3.4 Special Knowledge

The user does not have any special knowledge of the subject property.

3.5 Commonly Known and Reasonable Ascertainable Information

The user is unaware of any commonly known or reasonable ascertainable information relating to the conditions indicative of environmental issues.

3.6 Valuation Reduction for Environmental Issues

As the subject property is not being sold, the user states that the purchase price/loan amount for this property is not applicable to the Phase I ESA.

3.7 Owner, Property Manager, and Occupant Information

The proposed project site is currently unoccupied.

3.8 Reason for Performing Phase I ESA

It is our understanding that the Client has requested this study as part of their environmental due diligence in consideration of industrial development at the subject property.

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

NGA reviewed an environmental database search report, prepared by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut, for the subject property and the surrounding area. The EDR report is a listing of sites identified on select federal and state standard source environmental databases within the approximate search radius specified by ASTM Standard Practice for E1527-21. This information is reported to NGA by EDR, and to EDR by government sources; therefore, neither NGA nor EDR can verify the completeness and accuracy of the database information. NGA reviewed each environmental database on a record-by-record basis to determine if certain sites identified in the report are suspected to represent a potential impact to the Subject Property. A copy of regulatory database information was provided by EDR and is included in Appendix A.

The following summary table lists the number of sites by database within the prescribed search radius appearing in the EDR report:

Database (Date of Government Version if Available)	Minimum Search Area	Subject Property Listed	Sites Within Search Area
Federal			
National Priorities List (NPL)	1 Mile Radius	No	0
Proposed NPL	1 Mile Radius	No	0
NPL Liens	1 Mile Radius	No	0
Delisted NPL	1 Mile Radius	No	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Federal Facility	1/2 Mile Radius	No	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Superfund Enterprise Management System (SEMS)	1/2 Mile Radius	No	0
SEMS Archive	1/2 Mile Radius	No	0
Resource Conservation and Recovery Act (RCRA) Corrective Reports (CORRACTS)	1 Mile Radius	No	0
RCRA Treatment, storage, and Disposal Facility (TSDF) list	1/2 Mile Radius	No	0
RCRA Generators (LGQ, SGQ, VSQG)	1/4 Mile Radius	No	0
US ENG CONTROLS (Engineering Controls Sites List)	1/2 Mile Radius	No	0
US INST. CONTROLS (Sites with Institutional Controls)	1/2 Mile Radius	No	0
ERNS (Emergency Response Notification System)	Subject Property	No	0

State and Tribal			
HSL - State and Tribal Equivalent NPL (Hazardous Sites List)	1 Mile Radius	No	0
CSSL - State and Tribal Equivalent CERCLIS (Confirmed and Suspected Contaminated Sites List)	1 Mile Radius	No	0
SWF/LF (State and Tribal Landfill and/or Solid Waste Disposal site lists)	1/2 Mile Radius	No	0
LUST (Leaking Underground Storage Tanks Sites List)	1/2 Mile Radius	No	0
Indian LUST	1/2 Mile Radius	No	0
UST (Underground Storage Tanks)	1/4 Mile Radius	No	0
AST (Above Ground Storage Tanks)	1/4 Mile Radius	No	0
Indian UST	1/4 Mile Radius	No	0
Inst. Control	1/2 Mile Radius	No	0
ICR (Institutional Control Registry)	1/2 Mile Radius	No	0
VCP (Voluntary Cleanup Program)	1/2 Mile Radius	No	0
Brownfields	1/2 Mile Radius	No	0

Database (Date of Government Version if Available)	Minimum Search Area	Subject Property Listed	Sites Within Search Area
Additional Record Sources			
US Brownfields	1/2 Mile Radius	No	0
SWRCY (Recycling Facility List)	1/2 Mile Radius	No	0
CSCSL NFA	1/2 Mile Radius	No	0
ALLSITES (Facility/Site Identification System Listing)	1/2 Mile Radius	No	0
RCRA NonGen/NLR	1/4 Mile Radius	No	0
MANIFEST	1/4 Mile Radius	No	0
US MINES	1/4 Mile Radius	No	0
FINDS	Subject Property	No	0
NPDES	Subject Property	No	0
Indian Reservations	1 Mile Radius	No	0
Financial Assurance	Subject Property	No	0

A description of the reviewed databases is provided in the EDR Report (Appendix A). A summary of the Subject Property database listings and other sites identified within the prescribed search area is presented below.

Subject Property

The Subject Property was not identified in the environmental database report.

Neighboring Properties

The environmental database did not list any violations for neighboring properties or the near vicinity within ¼- to ½-mile radius of the subject site that would present a REC to the subject property.

4.2 Physical Setting Sources

Topography

According to the Rock Island Dam 7.5-minute Topographic Map (2023), the Subject Property is at an elevation of approximately 810 and 790 feet above mean sea level (MSL). The subject property generally slopes gently from west to east with generally east- to west-trending undulations. Recent and historic topographic maps are attached to this report in Appendix D.

Geology and Hydrology

Geology: The geologic units for this area are shown on the Geologic Map of the Wenatchee 1:100000 Quadrangle, Central Washington by R.W. Tabor, et al. (USGS, 1982). The proposed project site is mapped as Columbia River flood deposits, namely the gravel of lower-level bars of late Pleistocene age (Qcgl). This gravel consists of moderately sorted cobble-to-boulder gravel and embellished with giant current dunes.

WSDOE’s public well records were reviewed for the proposed project site and near vicinity. No active wells exist within 0.125 miles of the subject property and only seven well records within a mile of the property report the presence of water. Five of the seven records (Map ID A5, 14, C18, D19, 47) report static groundwater levels of 165 to 192.5 feet below the ground surface. Two records (Map ID C16 and C17) from resource protection wells report a shallower static groundwater level of 44.75 feet below ground surface.

4.3 Surface Water and Flood Plain Conditions

Surface Water

Surface water was not observed within the subject property during our site visit on November 19, 2024.

Flood Plain

According to the FEMA Map Service Center, this map panel is 530015 0450B (eff. 6/5/1989). The map indicates that the proposed project site is mapped in Zone C of the Columbia River floodplain. In our opinion, the proposed project site has a very low probability of encountering floodplain conditions.

4.4 Nearby Well Locations

We did not observe evidence of an existing well within the subject property and believe the subject property is not currently tied into the municipal water system. Well log records were reviewed on the Department of Ecology online webtool and there were no documented domestic water wells within adjoining properties.

4.5 Historical Use Information on Subject Property, Adjoining Properties, and Surrounding Properties

Aerial Photograph Review

NGA reviewed aerial photographs of the proposed project site and the surrounding properties for evidence of former usage which may indicate potential environmental issues. The aerial photographs were acquired from EDR. The aerial photographs reviewed were dated: 1957, 1964, 1983, 1990, 1998, 2006, 2009, 2013, and 2017. Appendix B contains copies of the reviewed aerial photographs provided by EDR.

The oldest photo reviewed from 1957 indicated that the surrounding region was undeveloped rural rangeland. Nixon Rapids Land (Rock Island Dam Road) appears to have rerouted northward between 1964 and 1977. An access road north of the proposed project site appears to have been roughed in at the same time period and an area of minor grading at the north end of the site is evident. No other major or minor changes are evident in aerial photos after 1977. In conclusion, this property appears to have been generally undeveloped since 1957.

Sanborn Maps Review

NGA requested Sanborn Fire Insurance Maps from EDR for the subject properties. Sanborn Maps provide information for structures related to materials and building construction that could impact fires, such as: chemical storage, gasoline tanks, etc. within these structures. Sanborn maps can also provide insight as to what the site structures were used for in the past. Sanborn Maps for the Subject Property were not available for our review. Appendix C contains the contents of the Sanborn Map Report.

Historical Topography Maps Review

NGA was provided with topographic maps for the Subject Property and surrounding sites by EDR, and reviewed maps from: 1912, 1914, 1920, 1922, 1966, 2014, 2017, and 2020. The proposed project site is situated on a relatively level Columbia River flood deposit gravel bar. Our review of the historical topographic maps generally indicates that no major changes in topography have occurred since 1913. Appendix D contains copies of the Historical Topographic Maps.

City Directory Review

NGA reviewed the city directory abstracts obtained from EDR. The city directory report did not indicate any address points from 1992 to 2020. We did not observe any significant evidence of commercial businesses on nearby address points that would alert us to a REC affecting the subject property.

Appendix E contains a copy of the City Directory Report.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Christopher L. Ward-Guthrie of NGA conducted the site reconnaissance on November 19, 2024. The weather at the time of the reconnaissance was cloudy and 35 degrees Fahrenheit. Observations were made by walking the perimeter of the site, followed by several transects across the site. The ground was generally covered in grass, sagebrush, or rock. Appendix F contains site photographs from our November 19th site visit.

5.2 General Subject Property Setting and Reconnaissance Observations

The development site is currently unoccupied. Much of the site is covered with native grass, sagebrush, and rock. Evidence of past grading or excavations is minimal.

Past Use of Subject Property

Development of Rock Island Dam began in 1930, with the most recent expansion of the facility taking place from 1974 to 1979. Based on observations during our site visit and review of historical documents, the project site appears to have been undeveloped since 1952. The construction of Rock Island Dam and subsequent expansions appear to have had a minimal impact on this site.

Descriptions of Structures

We did not observe any structures within the site during our site visit.

Roads

Nixon Rapids Lane (Rock Island Dam Road) passes the southern edge of the project site in a northwest to southeast direction. No other roads are present on the site.

Storm Drains

We did not observe evidence of storm drainage systems within the site.

5.3 Site Observations

Hazardous Substances and Petroleum Products in Connection with Identified Uses

NGA did not observe hazardous substances or petroleum products in connection with identified uses on the subject property during the site reconnaissance.

Hazardous Substances and Petroleum Products in Connection with Unidentified Uses

NGA did not observe hazardous substances or petroleum products in connection with unidentified uses on the subject property during the site reconnaissance.

Storage Tanks

NGA did not observe any storage tanks during the site reconnaissance nor in any of our historical research.

Odors

NGA did not observe any strange odors on the properties during the site reconnaissance.

Pools of Liquids

NGA did not observe any pools of liquid on the properties during the site reconnaissance.

Drums

NGA did not observe drums on the properties during the site reconnaissance.

PCBs

NGA did not observe any PCB-containing equipment on the properties during the site reconnaissance.

Pits, Ponds, or Lagoons

NGA did not observe any pits, ponds, or lagoons within the subject property during our site reconnaissance.

Stained Soil or Pavement

NGA did not observe any stained soil or staining on gravel driveways on the properties during the site reconnaissance.

Stressed Vegetation

NGA did not observe any signs of stressed vegetation on the properties during the site reconnaissance.

Solid Waste

NGA did not observe a significant presence of solid waste during the site reconnaissance. Rock, concrete, rebar, and other solid waste material derived from Chelan PUD facilities is present approximately 0.125 miles to the northeast of the proposed project site.

Wastewater

NGA did not observe any signs of wastewater discharges on the properties during the site reconnaissance.

Wells

NGA did not observe any wells within the subject property during our site reconnaissance.

Septic Systems

NGA did not observe any septic systems on the subject property during the site reconnaissance.

Utilities

Gas, electric, and fiber optic lines are present at the westernmost edge of the subject property parcel, next to Malaga Alcoa Highway, but there appear to be no utilities present within the proposed project site. Overhead electric line and poles associated with Rock Island Dam are present approximately 0.2 miles north of the site. We are also unaware of a wastewater system at the site.

6.0 INTERVIEWS

6.1 Subject Property User

Based on email communication and conversation with the Client and review of the provided user questionnaire, we were able to ascertain that they have no actual knowledge of the purchase price of the properties within the proposed project site being below fair market value due to environmental concerns. Additionally, neither the client nor the current subject property owner have actual knowledge of environmental liens or activity and use limitations surrounding the properties or in connection with the properties, and that they are not aware of any current government notifications, environmental law violations, or litigation at the properties.

6.2 Owners/Tenants of Current and Adjacent Properties

For the Phase I ESA, the current subject property owners were not interviewed.

7.0 PHASE I ESA FINDINGS AND OPINION

NGA's findings with respect to known and suspect RECs and de minimis conditions, and our opinion of these findings are as follows:

7.1 Known or Suspect RECs

We did not find any formal documentation of recognized environmental conditions or regulated sites within the proposed project site or near vicinity. Furthermore, after our site reconnaissance and discussions with the client we did not find any reasonably ascertainable evidence that would suggest a known or suspect REC.

7.2 De Minimis Conditions

ASTM defines *de minimis* conditions as those that "generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." *De minimis* conditions were encountered at the subject property.

7.3 Data Gaps

The subject property history of the proposed project site could not be researched in five-year intervals back to 1940 due to a lack of readily available information. It is NGA's opinion that this variation from the ASTM standard does not significantly affect the results of this Phase I ESA or the ability to assess the presence of a recognized environmental condition at the Subject Property as land use did not change frequently enough to warrant a five-year interval historical property evaluation.

8.0 DEVIATIONS

This Phase I ESA has been performed without deviation to, and in conformance with, ASTM Practice E1527-21 (Standard Practice for ESA: Phase I ESA Process), except as noted. No expressed or implied representation or warranty is included or intended in the report, except that the services were performed within the limitation prescribed by the client, and with the customary thoroughness and competence of our profession.

9.0 ADDITIONAL SERVICES

The scope of our services for this study did not include the following non-ASTM required Phase I ESA items: asbestos-containing materials (ACM), radon, lead-based paint (LBP), lead in drinking water, polychlorinated biphenyl (PCB) – containing materials, cultural or historical resources, industrial hygiene, health and safety, ecological resources, endangered species, mold, indoor air quality, and biological agents.

10.0 REFERENCES

- ASTM E1527-21 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process"
- Environmental Data Resources, Inc. (Appendices A-G)
- FEMA Flood Map Service Center, <https://msc.fema.gov/portal>
- Department of Natural Resources, Geologic Information Portal <https://www.dnr.wa.gov/geologyportal>
- Chelan County GIS Parcel Search, <https://maps.co.chelan.wa.us/GIS/>

- Washington State Department of Ecology, Well Logs
<https://fortress.wa.gov/ecy/waterresources/map/WCLSWebMap/WellConstructionMapSearch.aspx>
- Washington Department of Ecology – Cleanup and Tank Search,
<https://apps.ecology.wa.gov/cleanupsearch/reports/cleanup/all?Address=1400%20central%20ave>

11.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in § 312.10 of 40 Code of Federal Regulations (CFR) 312.

The Environmental Professional who directed this project has the specified 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 all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



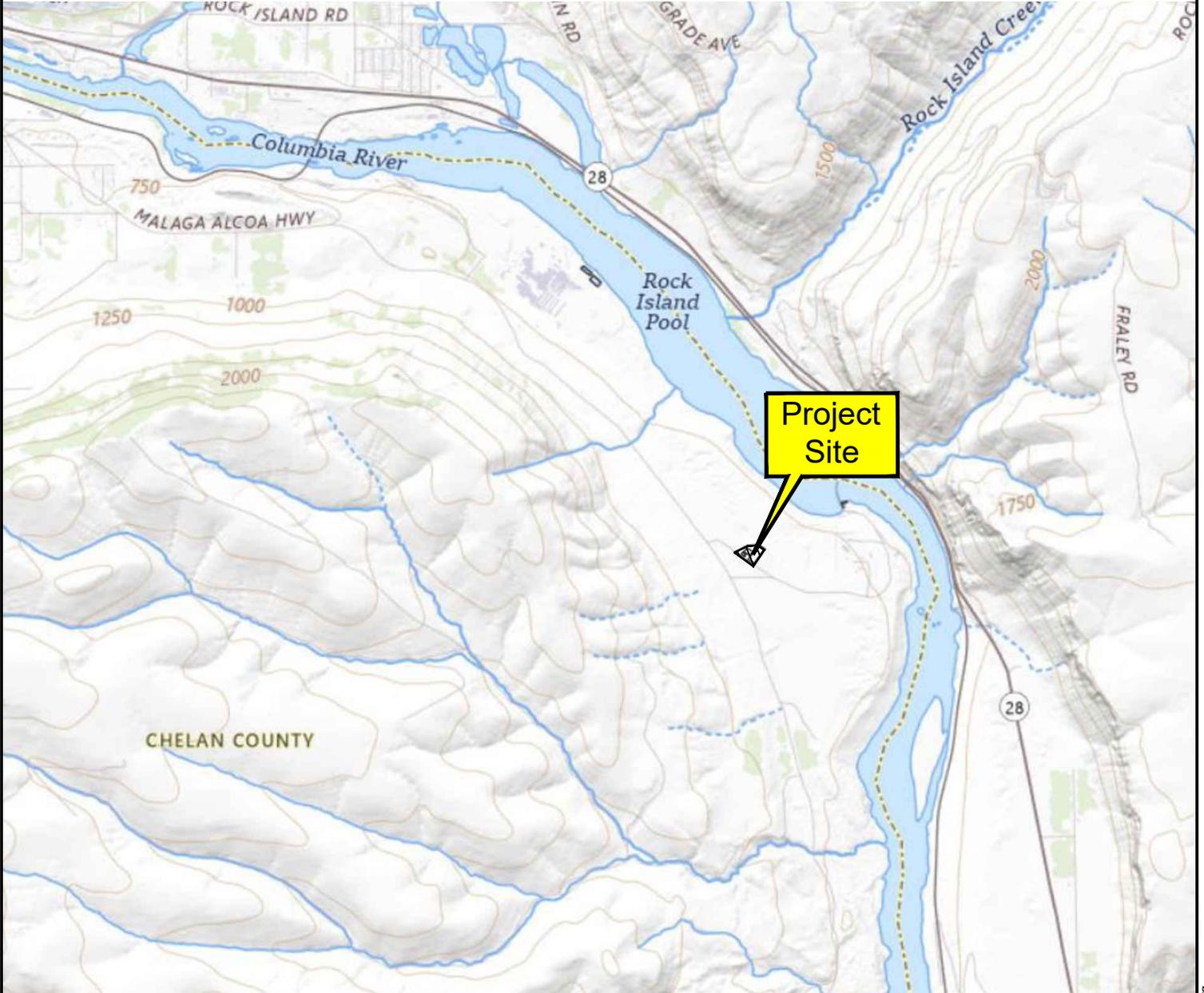
Khaled M. Shawish, PE
Principal

12.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Resumes are included in Appendix I

VICINITY MAP

Not to Scale



Chelan County, WA

Project Number 15491B24	Helion Energy Power Plant Facility Vicinity Map	 NELSON GEOTECHNICAL ASSOCIATES, INC Woodinville Office 17311-135th Ave. NE, A-500 Woodinville, WA 98072 (425) 486-1669 / Fax: 481-2510 Wenatchee Office 105 Palouse St. Wenatchee, WA 98801 (509) 665-7696 / Fax: 665-7692	No.	Date	Revision	By	CK
Figure 1			1	11/25/24	Original	CWG	ABR

Site Plan

NOT TO SCALE



LEGEND

- . - Proposed site boundary
- Approximate locations of proposed structures



Approximate Scale: 1 inch = 700 feet

Reference: Site Plan based on Google Earth imagery, dated June 27, 2022, and undated site plan provided by Helion Energy, Inc.

Project Number 15491B24	Helion Energy Power Plant Facility Site Plan	 www.nelsongeotech.com	NELSON GEOTECHNICAL ASSOCIATES, INC Woodinville Office 17311-135th Ave. NE, A-500 Woodinville, WA 98072 (425) 486-1669 / Fax: 481-2510 Wenatchee Office 105 Palouse St Wenatchee, WA 98801 (509) 665-7696 / Fax: 665-7692	No. 1	Date 11/25/24	Revision Original	By CWG	CK ABR
Figure 2								

APPENDIX A

EDR DATABASE REPORT

Helion Site

1476 ROCK ISLAND DAM RD
MALAGA, WA 98828

Inquiry Number: 7825435.2s
November 18, 2024

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1476 ROCK ISLAND DAM RD
MALAGA, WA 98828

COORDINATES

Latitude (North): 47.3365440 - 47° 20' 11.55"
Longitude (West): 120.1038170 - 120° 6' 13.74"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 718796.9
UTM Y (Meters): 5246413.5
Elevation: 798 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 14730014 ROCK ISLAND DAM, WA
Version Date: 2020

Southwest Map: 14729992 MALAGA, WA
Version Date: 2020

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20190822
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
1476 ROCK ISLAND DAM RD
MALAGA, WA 98828

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
--------	-----------	---------	-------------------	--------------------	-------------------------------

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

HSL..... Hazardous Sites List

Lists of state- and tribal hazardous waste facilities

CSCSL..... Confirmed and Suspected Contaminated Sites List

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Facility Database

Lists of state and tribal leaking storage tanks

LUST..... Leaking Underground Storage Tanks Site List
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
UST..... Underground Storage Tank Database
AST..... Aboveground Storage Tank Locations
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL..... Institutional Control Site List

Lists of state and tribal voluntary cleanup sites

ICR..... Independent Cleanup Reports
VCP..... Voluntary Cleanup Program Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing
PTAP..... PTAP Site Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facility List

EXECUTIVE SUMMARY

SWTIRE.....	Solid Waste Tire Facilities
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS.....	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
ALLSITES.....	Facility/Site Identification System Listing
CDL.....	Clandestine Drug Lab Contaminated Site List
HIST CDL.....	List of Sites Contaminated by Clandestine Drug Labs
CSCSL NFA.....	Confirmed & Contaminated Sites - No Further Action
US CDL.....	National Clandestine Laboratory Register

Local Land Records

LIENS 2.....	CERCLA Lien Information
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Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Reported Spills
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program

EXECUTIVE SUMMARY

UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
MINES MRDS.....	Mineral Resources Data System
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
ECHO.....	Enforcement & Compliance History Information
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
PFAS NPL.....	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES.....	Federal Sites PFAS Information
PFAS TSCA.....	PFAS Manufacture and Imports Information
PFAS TRIS.....	List of PFAS Added to the TRI
PFAS RCRA MANIFEST.....	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR.....	PFAS Contamination Site Location Listing
PFAS WQP.....	Ambient Environmental Sampling for PFAS
PFAS PROJECT.....	NORTHEASTERN UNIVERSITY PFAS PROJECT
PFAS NPDES.....	Clean Water Act Discharge Monitoring Information
PFAS ECHO.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAIN.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
BIOSOLIDS.....	ICIS-NPDES Biosolids Facility Data
UST FINDER.....	UST Finder Database
UST FINDER RELEASE.....	UST Finder Releases Database
E MANIFEST.....	Hazardous Waste Electronic Manifest System
PFAS.....	PFAS Contamination Site Location Listing
AQUEOUS FOAM.....	Firefighting Foam Incidents
AIRS.....	Washington Emissions Data System
ASBESTOS.....	ASBESTOS
COAL ASH.....	Coal Ash Disposal Site Listing
DRYCLEANERS.....	Drycleaner List
Financial Assurance.....	Financial Assurance Information Listing
Inactive Drycleaners.....	Inactive Drycleaners
MANIFEST.....	Hazardous Waste Manifest Data
NPDES.....	Water Quality Permit System Data
UIC.....	Underground Injection Wells Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
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EXECUTIVE SUMMARY

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

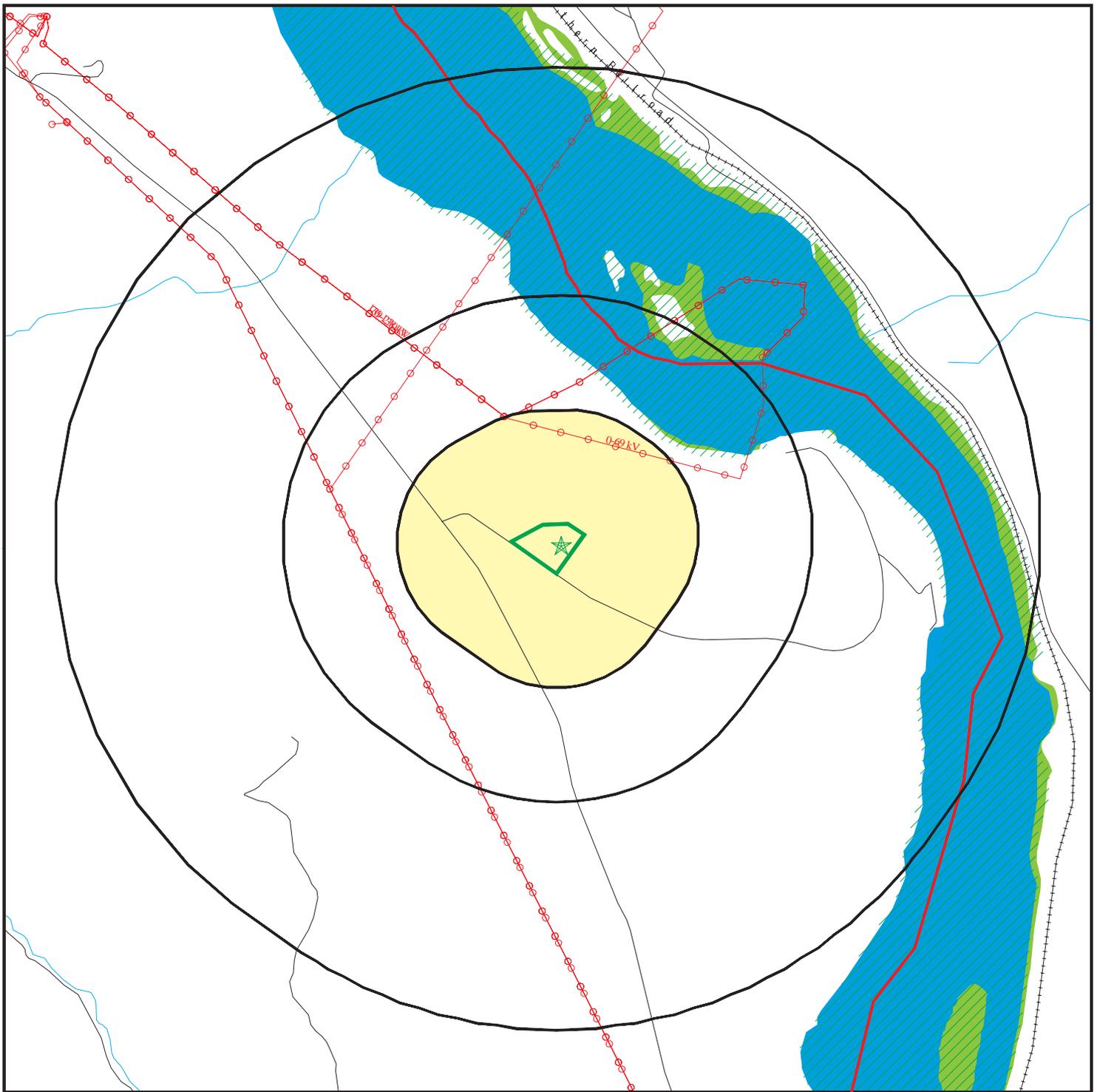
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

<u>Site Name</u>	<u>Database(s)</u>
HARTL DUMP	VCP

OVERVIEW MAP - 7825435.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

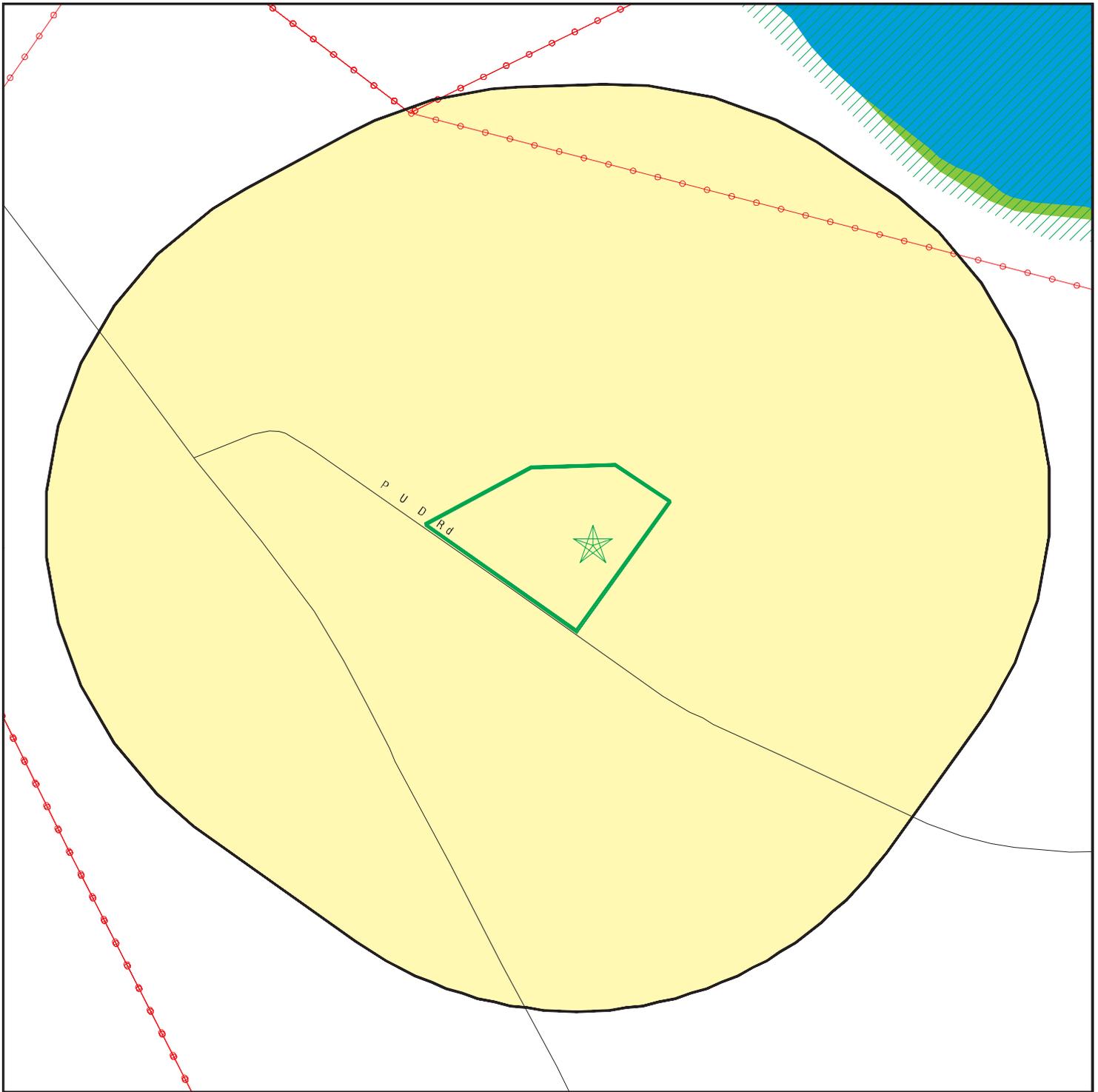
-  Indian Reservations BIA
-  County Boundary
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Helion Site
 ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA WA 98828
 LAT/LONG: 47.336544 / 120.103817

CLIENT: Nelson Geotechnical Associates
 CONTACT: Christopher Ward-Guthrie
 INQUIRY #: 7825435.2s
 DATE: November 18, 2024 4:30 pm

DETAIL MAP - 7825435.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Helion Site
 ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA WA 98828
 LAT/LONG: 47.336544 / 120.103817

CLIENT: Nelson Geotechnical Associates
 CONTACT: Christopher Ward-Guthrie
 INQUIRY #: 7825435.2s
 DATE: November 18, 2024 4:31 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
HSL	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
CSCSL	1.000		0	0	0	0	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
ICR	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
PTAP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
ALLSITES	0.500		0	0	0	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
HIST CDL	0.001		0	NR	NR	NR	NR	0
CSCSL NFA	0.500		0	0	0	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
Inactive Drycleaners	0.250		0	0	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	0	0	0	0	0	0
-------------	--	---	---	---	---	---	---	---

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ROCK ISLAND	S124432723	HARTL DUMP	ROCK ISLAND RD	98850	VCP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/25/2024	Source: EPA
Date Data Arrived at EDR: 10/01/2024	Telephone: N/A
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 11/01/2024
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/06/2025
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/25/2024	Source: EPA
Date Data Arrived at EDR: 10/01/2024	Telephone: N/A
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 11/01/2024
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/06/2025
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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.

Date of Government Version: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/07/2024
Date Data Arrived at EDR: 06/25/2024
Date Made Active in Reports: 09/19/2024
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/24/2024
Next Scheduled EDR Contact: 01/09/2025
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates 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 the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The 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 potential NPL site.

Date of Government Version: 09/25/2024	Source: EPA
Date Data Arrived at EDR: 10/01/2024	Telephone: 800-424-9346
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 11/01/2024
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/03/2024	Source: EPA
Date Data Arrived at EDR: 06/07/2024	Telephone: 800-424-9346
Date Made Active in Reports: 06/20/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/03/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/07/2024	Telephone: (206) 553-1200
Date Made Active in Reports: 06/20/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/07/2024	Telephone: (206) 553-1200
Date Made Active in Reports: 06/20/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/03/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/07/2024	Telephone: (206) 553-1200
Date Made Active in Reports: 06/20/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/07/2024	Telephone: (206) 553-1200
Date Made Active in Reports: 06/20/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/15/2024	Source: Department of the Navy
Date Data Arrived at EDR: 07/17/2024	Telephone: 843-820-7326
Date Made Active in Reports: 10/09/2024	Last EDR Contact: 11/13/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/24/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/08/2024	Telephone: 703-603-0695
Date Made Active in Reports: 08/15/2024	Last EDR Contact: 11/15/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/02/2024
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/24/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/08/2024	Telephone: 703-603-0695
Date Made Active in Reports: 08/15/2024	Last EDR Contact: 11/15/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 03/03/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/11/2024

Date Data Arrived at EDR: 06/17/2024

Date Made Active in Reports: 09/04/2024

Number of Days to Update: 79

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/17/2024

Next Scheduled EDR Contact: 12/30/2024

Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

HSL: Hazardous Sites List

The Hazardous Sites List is a subset of the CSCSL Report. It includes sites which have been assessed and ranked using the Washington Ranking Method (WARM). As of 2024 this data is no longer being updated.

Date of Government Version: 08/24/2023

Date Data Arrived at EDR: 08/31/2023

Date Made Active in Reports: 11/09/2023

Number of Days to Update: 70

Source: Department of Ecology

Telephone: 360-407-7200

Last EDR Contact: 08/26/2024

Next Scheduled EDR Contact: 12/09/2024

Data Release Frequency: No Update Planned

Lists of state- and tribal hazardous waste facilities

CSCSL: Confirmed and Suspected Contaminated Sites List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/09/2024

Date Data Arrived at EDR: 07/09/2024

Date Made Active in Reports: 07/11/2024

Number of Days to Update: 2

Source: Department of Ecology

Telephone: 360-407-7200

Last EDR Contact: 10/08/2024

Next Scheduled EDR Contact: 01/20/2025

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/06/2024

Date Data Arrived at EDR: 06/07/2024

Date Made Active in Reports: 09/03/2024

Number of Days to Update: 88

Source: Department of Ecology

Telephone: 360-407-6132

Last EDR Contact: 08/21/2024

Next Scheduled EDR Contact: 12/09/2024

Data Release Frequency: Annually

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tanks Site List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 08/05/2024

Date Data Arrived at EDR: 08/06/2024

Date Made Active in Reports: 10/25/2024

Number of Days to Update: 80

Source: Department of Ecology

Telephone: 360-407-7183

Last EDR Contact: 11/06/2024

Next Scheduled EDR Contact: 02/17/2025

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/07/2024	Source: EPA Region 4
Date Data Arrived at EDR: 05/30/2024	Telephone: 404-562-8677
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/07/2024	Source: EPA Region 8
Date Data Arrived at EDR: 05/30/2024	Telephone: 303-312-6271
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/07/2024	Source: EPA Region 10
Date Data Arrived at EDR: 05/30/2024	Telephone: 206-553-2857
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/07/2024	Source: EPA Region 6
Date Data Arrived at EDR: 05/30/2024	Telephone: 214-665-6597
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2024	Source: EPA, Region 5
Date Data Arrived at EDR: 05/30/2024	Telephone: 312-886-7439
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 05/07/2024	Source: EPA Region 1
Date Data Arrived at EDR: 05/30/2024	Telephone: 617-918-1313
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/07/2024	Source: EPA Region 7
Date Data Arrived at EDR: 05/30/2024	Telephone: 913-551-7003
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/07/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/30/2024	Telephone: 415-972-3372
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/15/2024	Source: FEMA
Date Data Arrived at EDR: 03/19/2024	Telephone: 202-646-5797
Date Made Active in Reports: 06/17/2024	Last EDR Contact: 09/25/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/05/2024	Source: Department of Ecology
Date Data Arrived at EDR: 08/06/2024	Telephone: 360-407-7183
Date Made Active in Reports: 10/24/2024	Last EDR Contact: 11/06/2024
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Quarterly

UST SEATTLE: Underground Storage Tank (UST) Records ? Residential Listing

Records of Seattle Fire Department (SFD) permits related to decommissioning of a residential heating oil tank, permit code 6103. A record with incomplete tank info indicates that the required follow-up report has not been received by SFD. Please note that SFD records begin in 1996 when state requirement was introduced. Decommissioning of a residential heating oil tank might have occurred prior to 1996, in which SFD will not have a record.

Date of Government Version: 08/04/2024	Source: Seattle Fire Department
Date Data Arrived at EDR: 08/06/2024	Telephone: 206-386-1450
Date Made Active in Reports: 10/25/2024	Last EDR Contact: 11/06/2024
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Varies

AST: Aboveground Storage Tank Locations

A listing of aboveground storage tank locations regulated by the Department of Ecology's Spill Prevention, Preparedness and Response Program.

Date of Government Version: 12/14/2015	Source: Department of Ecology
Date Data Arrived at EDR: 02/02/2016	Telephone: 360-407-7562
Date Made Active in Reports: 05/03/2016	Last EDR Contact: 10/16/2024
Number of Days to Update: 91	Next Scheduled EDR Contact: 02/03/2025
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 05/14/2024	Source: EPA, Region 1
Date Data Arrived at EDR: 05/30/2024	Telephone: 617-918-1313
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/14/2024	Source: EPA Region 6
Date Data Arrived at EDR: 05/30/2024	Telephone: 214-665-7591
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/14/2024	Source: EPA Region 10
Date Data Arrived at EDR: 05/30/2024	Telephone: 206-553-2857
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/14/2024	Source: EPA Region 4
Date Data Arrived at EDR: 05/30/2024	Telephone: 404-562-9424
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 07/29/2024
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/14/2024	Source: EPA Region 9
Date Data Arrived at EDR: 05/30/2024	Telephone: 415-972-3368
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/14/2024	Source: EPA Region 8
Date Data Arrived at EDR: 05/30/2024	Telephone: 303-312-6137
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/14/2024	Source: EPA Region 7
Date Data Arrived at EDR: 05/30/2024	Telephone: 913-551-7003
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2024	Source: EPA Region 5
Date Data Arrived at EDR: 05/30/2024	Telephone: 312-886-6136
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 90	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Institutional Control Site List

The Environmental Covenants Registry is a list of sites that have implemented institutional controls as part of the remedy. 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, such as: Drilling a water supply well on the property. Disturbing pavement covering contaminated areas. Residential use of the property.

Date of Government Version: 07/09/2024	Source: Department of Ecology
Date Data Arrived at EDR: 07/10/2024	Telephone: 360-407-7170
Date Made Active in Reports: 10/02/2024	Last EDR Contact: 10/09/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

ICR: Independent Cleanup Reports

These are remedial action reports Ecology has received from either the owner or operator of the sites. These actions have been conducted without department oversight or approval and are not under an order or decree. This database is no longer updated by the Department of Ecology.

Date of Government Version: 12/01/2002	Source: Department of Ecology
Date Data Arrived at EDR: 01/03/2003	Telephone: 360-407-7200
Date Made Active in Reports: 01/22/2003	Last EDR Contact: 08/10/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/09/2009
	Data Release Frequency: No Update Planned

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/10/2024
Number of Days to Update: 142	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

VCP: Voluntary Cleanup Program Sites

Sites that have entered either the Voluntary Cleanup Program or its predecessor Independent Remedial Action Program.

Date of Government Version: 07/09/2024	Source: Department of Ecology
Date Data Arrived at EDR: 07/10/2024	Telephone: 360-407-7200
Date Made Active in Reports: 10/02/2024	Last EDR Contact: 10/08/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Varies

PTAP: PTAP Site Listing

A list of sites accepted into the Petroleum Technical Assistance Program. The Petroleum Technical Assistance Program (PTAP) expands the state's ability to respond to the high customer demand to clean up petroleum contaminated sites. Under the PTAP, the Pollution Liability Insurance Agency (PLIA) may provide informal site-specific technical consultations and issue written opinion letters to persons conducting independent remedial actions at qualifying petroleum cleanup sites. PLIA may provide these services under the authority of RCW 70.149.040(9) and the Model Toxics Control Act (MTCA), Chapter 70.149 RCW and Chapter 173-340 WAC.

Date of Government Version: 08/05/2024	Source: Department of Ecology
Date Data Arrived at EDR: 08/06/2024	Telephone: 360-407-0515
Date Made Active in Reports: 10/25/2024	Last EDR Contact: 11/06/2024
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Sites Listing

A listing of brownfields sites included in the Confirmed & Suspected Sites Listing. Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 07/09/2024	Source: Department of Ecology
Date Data Arrived at EDR: 07/10/2024	Telephone: 360-725-4030
Date Made Active in Reports: 10/02/2024	Last EDR Contact: 10/08/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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 takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/11/2024	Telephone: 202-566-2777
Date Made Active in Reports: 09/04/2024	Last EDR Contact: 09/11/2024
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/23/2024
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWTIRE: Solid Waste Tire Facilities

This study identified sites statewide with unauthorized accumulations of scrap tires.

Date of Government Version: 11/01/2005
Date Data Arrived at EDR: 03/16/2006
Date Made Active in Reports: 04/13/2006
Number of Days to Update: 28

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 09/08/2017
Next Scheduled EDR Contact: 12/18/2017
Data Release Frequency: Varies

SWTIRE 2: Solid Waste Tire Facilities 2 solid waste tire piles

Date of Government Version: 03/08/2024
Date Data Arrived at EDR: 03/12/2024
Date Made Active in Reports: 04/18/2024
Number of Days to Update: 37

Source: Department of Ecology
Telephone: 425-649-7104
Last EDR Contact: 10/28/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Varies

SWRCY: Recycling Facility List

A listing of recycling center locations.

Date of Government Version: 05/02/2024
Date Data Arrived at EDR: 05/09/2024
Date Made Active in Reports: 08/06/2024
Number of Days to Update: 89

Source: Department of Ecology
Telephone: 360-407-6105
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/17/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 11/13/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/20/2024	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 08/19/2024	Telephone: 202-307-1000
Date Made Active in Reports: 10/09/2024	Last EDR Contact: 08/19/2024
Number of Days to Update: 51	Next Scheduled EDR Contact: 12/02/2024
	Data Release Frequency: No Update Planned

ALLSITES: Facility/Site Identification System Listing

Information on facilities and sites of interest to the Department of Ecology.

Date of Government Version: 07/22/2024	Source: Department of Ecology
Date Data Arrived at EDR: 07/23/2024	Telephone: 360-407-6423
Date Made Active in Reports: 10/16/2024	Last EDR Contact: 10/23/2024
Number of Days to Update: 85	Next Scheduled EDR Contact: 02/03/2025
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Lab Contaminated Site List

Illegal methamphetamine labs use hazardous chemicals that create public health hazards. Chemicals and residues can cause burns, respiratory and neurological damage, and death. Biological hazards associated with intravenous needles, feces, and blood also pose health risks.

Date of Government Version: 06/10/2024	Source: Department of Health
Date Data Arrived at EDR: 08/07/2024	Telephone: 360-236-3380
Date Made Active in Reports: 10/25/2024	Last EDR Contact: 10/25/2024
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/10/2025
	Data Release Frequency: Varies

HIST CDL: List of Sites Contaminated by Clandestine Drug Labs

This listing of contaminated sites by Clandestine Drug Labs includes non-remediated properties. The current CDL listing does not. This listing is no longer updated by the state agency.

Date of Government Version: 02/08/2007	Source: Department of Health
Date Data Arrived at EDR: 06/26/2007	Telephone: 360-236-3381
Date Made Active in Reports: 07/19/2007	Last EDR Contact: 06/02/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

CSCSL NFA: Confirmed and Contaminated Sites - No Further Action

This report contains information about sites that are undergoing cleanup and sites that are awaiting further investigation and/or cleanup. Sites on the Hazardous Sites List (see above) are included in this data set.

Date of Government Version: 07/09/2024	Source: Department of Ecology
Date Data Arrived at EDR: 07/10/2024	Telephone: 360-407-7170
Date Made Active in Reports: 10/02/2024	Last EDR Contact: 10/08/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site 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. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/20/2024
Date Data Arrived at EDR: 08/19/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 51

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2024
Next Scheduled EDR Contact: 12/02/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 06/24/2024
Number of Days to Update: 7

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024
Data Release Frequency: Quarterly

SPILLS ERTS: Environmental Report Tracking System Listing

All programs in Ecology use the ERTS System for any Incidents regardless of the ?type? of incident. The programs include; Spills, Hazardous Waste, Water Quality, Air Quality, Toxics Cleanup, Water Resources, etc.

Date of Government Version: 08/21/2024
Date Data Arrived at EDR: 09/03/2024
Date Made Active in Reports: 09/10/2024
Number of Days to Update: 7

Source: Department of Ecology
Telephone: 360-407-7455
Last EDR Contact: 08/21/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Varies

SPILLS: Reported Spills

Spills reported to the Spill Prevention, Preparedness and Response Division.

Date of Government Version: 08/21/2024
Date Data Arrived at EDR: 08/30/2024
Date Made Active in Reports: 11/12/2024
Number of Days to Update: 74

Source: Department of Ecology
Telephone: 360-407-6950
Last EDR Contact: 08/21/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 05/23/2006
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's 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. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/03/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/07/2024	Telephone: (206) 553-1200
Date Made Active in Reports: 06/20/2024	Last EDR Contact: 09/17/2024
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 07/31/2024	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2024	Telephone: 202-528-4285
Date Made Active in Reports: 10/09/2024	Last EDR Contact: 11/12/2024
Number of Days to Update: 58	Next Scheduled EDR Contact: 02/24/2025
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021	Source: USGS
Date Data Arrived at EDR: 07/13/2021	Telephone: 888-275-8747
Date Made Active in Reports: 03/09/2022	Last EDR Contact: 10/10/2024
Number of Days to Update: 239	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/03/2024
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2023	Telephone: 615-532-8599
Date Made Active in Reports: 02/10/2023	Last EDR Contact: 11/04/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2024
Date Data Arrived at EDR: 06/17/2024
Date Made Active in Reports: 09/04/2024
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/24/2024
Next Scheduled EDR Contact: 02/10/2025
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 10/31/2024
Next Scheduled EDR Contact: 02/10/2025
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 12/23/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/14/2024
Next Scheduled EDR Contact: 02/24/2025
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/11/2024
Date Data Arrived at EDR: 07/11/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 1

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 08/27/2024
Date Data Arrived at EDR: 09/03/2024
Date Made Active in Reports: 09/19/2024
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 07/12/2024
Date Data Arrived at EDR: 07/17/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/01/2024
Next Scheduled EDR Contact: 02/10/2025
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/23/2024
Date Data Arrived at EDR: 07/02/2024
Date Made Active in Reports: 09/26/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/06/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 09/04/2024
Number of Days to Update: 89

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/22/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/31/2024
Next Scheduled EDR Contact: 02/10/2025
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2024	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 07/08/2024	Telephone: Varies
Date Made Active in Reports: 09/26/2024	Last EDR Contact: 09/25/2024
Number of Days to Update: 80	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021	Source: EPA/NTIS
Date Data Arrived at EDR: 03/09/2023	Telephone: 800-424-9346
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 09/17/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 12/30/2024
	Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 10/01/2024
Number of Days to Update: 546	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023	Source: Department of Energy
Date Data Arrived at EDR: 03/03/2023	Telephone: 202-586-3559
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 10/24/2024
Number of Days to Update: 98	Next Scheduled EDR Contact: 02/10/2025
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 05/08/2024	Source: Department of Energy
Date Data Arrived at EDR: 08/14/2024	Telephone: 505-845-0011
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 11/14/2024
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/24/2025
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 09/25/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/01/2024	Telephone: 703-603-8787
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 11/01/2024
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/06/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 10/01/2024
Date Data Arrived at EDR: 10/02/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 7

Source: DOL, Mine Safety & Health Administration
Telephone: 202-693-9424
Last EDR Contact: 11/13/2024
Next Scheduled EDR Contact: 03/03/2025
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/06/2024
Date Data Arrived at EDR: 08/14/2024
Date Made Active in Reports: 08/15/2024
Number of Days to Update: 1

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/14/2024
Next Scheduled EDR Contact: 12/02/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/02/2024
Date Data Arrived at EDR: 08/20/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 50

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/20/2024
Next Scheduled EDR Contact: 12/02/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 08/22/2024
Number of Days to Update: 97	Next Scheduled EDR Contact: 12/02/2024
	Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022	Source: USGS
Date Data Arrived at EDR: 11/22/2022	Telephone: 703-648-6533
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 08/22/2024
Number of Days to Update: 98	Next Scheduled EDR Contact: 12/02/2024
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory 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.

Date of Government Version: 06/13/2024	Source: Department of Interior
Date Data Arrived at EDR: 06/14/2024	Telephone: 202-208-2609
Date Made Active in Reports: 09/04/2024	Last EDR Contact: 09/10/2024
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/16/2024
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/13/2024	Source: EPA
Date Data Arrived at EDR: 08/20/2024	Telephone: (206) 553-1200
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 08/20/2024
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/09/2024
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023	Source: Department of Defense
Date Data Arrived at EDR: 09/13/2023	Telephone: 703-704-1564
Date Made Active in Reports: 12/11/2023	Last EDR Contact: 10/03/2024
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2024
Date Data Arrived at EDR: 06/28/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/01/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/13/2024
Next Scheduled EDR Contact: 03/03/2025
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/13/2024
Date Data Arrived at EDR: 08/13/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 57

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/08/2024
Next Scheduled EDR Contact: 02/24/2025
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing 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.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS TSCA: PFAS Manufacture and Imports Information

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. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

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 VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020	Source: Department of Health & Human Services
Date Data Arrived at EDR: 03/17/2021	Telephone: 202-741-5770
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 10/17/2024
Number of Days to Update: 601	Next Scheduled EDR Contact: 02/03/2025
	Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a 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. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023	Source: Social Science Environmental Health Research Institute
Date Data Arrived at EDR: 04/05/2024	Telephone: N/A
Date Made Active in Reports: 06/06/2024	Last EDR Contact: 09/05/2024
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/16/2024
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less 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. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset, as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-272-0167
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2024	Telephone: 202-267-2675
Date Made Active in Reports: 07/12/2024	Last EDR Contact: 10/02/2024
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016	Source: EPA, Office of Water
Date Data Arrived at EDR: 01/06/2017	Telephone: 202-564-2496
Date Made Active in Reports: 03/10/2017	Last EDR Contact: 09/25/2024
Number of Days to Update: 63	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 02/05/2015	Telephone: 202-564-2497
Date Made Active in Reports: 03/06/2015	Last EDR Contact: 09/25/2024
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/13/2025
	Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 10/13/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/16/2024	Telephone: 202-564-4700
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 10/16/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/27/2025
	Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/31/2023	Telephone: 202-564-0394
Date Made Active in Reports: 01/18/2024	Last EDR Contact: 11/06/2024
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 11/06/2024
Next Scheduled EDR Contact: 02/17/2025
Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as e-Manifest, will modernize the nation's cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 04/18/2024
Date Made Active in Reports: 06/06/2024
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 833-501-6826
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

PFOS and PFOA stand for perfluorooctane sulfonate and perfluorooctanoic acid, respectively. Both are fluorinated organic chemicals, part of a larger family of compounds referred to as perfluoroalkyl substances (PFASs).

Date of Government Version: 06/27/2024
Date Data Arrived at EDR: 06/28/2024
Date Made Active in Reports: 07/02/2024
Number of Days to Update: 4

Source: Department of Ecology
Telephone: 360-407-6116
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

AQUEOUS FOAM: Firefighting Foam Incidents

Aqueous film-forming foam-laced water running off from fuel spills, firefighting events and routine training sessions has put those chemicals in ground water, surface water, sediments, biota, and other natural resources of the state.

Date of Government Version: 06/27/2024
Date Data Arrived at EDR: 06/28/2024
Date Made Active in Reports: 07/03/2024
Number of Days to Update: 5

Source: Department of Ecology
Telephone: 360-407-6116
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

AIRS (EMI): Washington Emissions Data System Emissions inventory data.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 04/10/2024
Date Made Active in Reports: 07/09/2024
Number of Days to Update: 90

Source: Department of Ecology
Telephone: 360-407-6040
Last EDR Contact: 10/08/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing Asbestos sites

Date of Government Version: 05/28/2024
Date Data Arrived at EDR: 06/20/2024
Date Made Active in Reports: 09/12/2024
Number of Days to Update: 84

Source: Department of Labor & Industries
Telephone: 360-902-6209
Last EDR Contact: 11/07/2024
Next Scheduled EDR Contact: 11/26/2024
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing A listing of coal ash disposal site locations.

Date of Government Version: 06/06/2024
Date Data Arrived at EDR: 06/07/2024
Date Made Active in Reports: 09/03/2024
Number of Days to Update: 88

Source: Department of Ecology
Telephone: 360-407-6933
Last EDR Contact: 08/21/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners who registered with the Department of Ecology (using the SIC code of 7215 and 7216) as hazardous waste generators.

Date of Government Version: 07/09/2024	Source: Department of Ecology
Date Data Arrived at EDR: 07/10/2024	Telephone: 360-407-6732
Date Made Active in Reports: 10/02/2024	Last EDR Contact: 10/08/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/22/2024	Source: Department of Ecology
Date Data Arrived at EDR: 05/23/2024	Telephone: 360-586-1060
Date Made Active in Reports: 05/28/2024	Last EDR Contact: 11/04/2024
Number of Days to Update: 5	Next Scheduled EDR Contact: 03/03/2025
	Data Release Frequency: No Update Planned

FIN ASSURANCE 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 09/03/2024	Source: Department of Ecology
Date Data Arrived at EDR: 09/05/2024	Telephone: 360-407-6754
Date Made Active in Reports: 11/13/2024	Last EDR Contact: 10/31/2024
Number of Days to Update: 69	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: Varies

FIN ASSURANCE 3: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/13/2024	Source: Department of Ecology
Date Data Arrived at EDR: 08/14/2024	Telephone: 360-407-6136
Date Made Active in Reports: 10/31/2024	Last EDR Contact: 10/31/2024
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/17/2025
	Data Release Frequency: No Update Planned

INACTIVE DRYCLEANERS: Inactive Drycleaners

A listing of inactive drycleaner facility locations.

Date of Government Version: 07/09/2024	Source: Department of Ecology
Date Data Arrived at EDR: 07/10/2024	Telephone: 360-407-6732
Date Made Active in Reports: 10/02/2024	Last EDR Contact: 10/08/2024
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/20/2025
	Data Release Frequency: Annually

WA MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2020	Source: Department of Ecology
Date Data Arrived at EDR: 08/11/2021	Telephone: N/A
Date Made Active in Reports: 11/23/2021	Last EDR Contact: 09/06/2024
Number of Days to Update: 104	Next Scheduled EDR Contact: 12/23/2024
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: Water Quality Permit System Data

A listing of permitted wastewater facilities.

Date of Government Version: 07/09/2024
Date Data Arrived at EDR: 07/10/2024
Date Made Active in Reports: 10/02/2024
Number of Days to Update: 84

Source: Department of Ecology
Telephone: 360-407-6073
Last EDR Contact: 10/08/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Listing

A listing of underground injection wells.

Date of Government Version: 07/18/2024
Date Data Arrived at EDR: 07/24/2024
Date Made Active in Reports: 10/17/2024
Number of Days to Update: 85

Source: Department of Ecology
Telephone: 360-407-6143
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Ecology in Washington.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Ecology
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

KING COUNTY:

LF KING: Abandoned Landfill Study in King County

The King County Abandoned Landfill Survey was conducted from October through December 1984 by the Health Department's Environmental Health Division at the request of the King County Council. The primary objective of the survey was to determine if any public health problems existed at the predetermined 24 sites.

Date of Government Version: 04/30/1985
Date Data Arrived at EDR: 11/07/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Seattle-King County Department of Public Health
Telephone: 206-296-4785
Last EDR Contact: 10/21/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SEATTLE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF SEATTLE CITY: Abandoned Landfill Study in the City of Seattle

The Seattle Abandoned Landfill Survey was conducted in June and July of 1984 by the Health Department's Environmental Health Division at the request of the Mayor's Office. The primary objective of the survey was to determine if any public health problems existed at the predetermined 12 sites.

Date of Government Version: 07/30/1984	Source: Seattle - King County Department of Public Health
Date Data Arrived at EDR: 11/07/1994	Telephone: 206-296-4785
Date Made Active in Reports: N/A	Last EDR Contact: 10/21/1994
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SEATTLE/KING COUNTY:

LF SEATTLE/KING: Seattle - King County Abandoned Landfill Toxicity / Hazard Assessment Project

This report presents the Seattle-King County Health Department's follow-up investigation of two city owned and four county owned abandoned landfills which was conducted from February to December 1986.

Date of Government Version: 12/31/1986	Source: Department of Public Health
Date Data Arrived at EDR: 08/18/1995	Telephone: 206-296-4785
Date Made Active in Reports: 09/20/1995	Last EDR Contact: 08/14/1995
Number of Days to Update: 33	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SNOHOMISH COUNTY:

LF SNOHOMISH: Solid Waste Sites of Record at Snohomish Health District

Solid waste disposal and/or utilization sites in Snohomish County.

Date of Government Version: 09/23/2019	Source: Snohomish Health District
Date Data Arrived at EDR: 09/25/2019	Telephone: 206-339-5250
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 09/06/2024
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/23/2024
	Data Release Frequency: No Update Planned

TACOMA/PIERCE COUNTY:

LF TACOMA/PIERCE: Closed Landfill Survey

Following numerous requests for information about closed dumpsites and landfills in Pierce County, the Tacoma-Pierce County Health Department decided to conduct a study on the matter. The aim of the study was to evaluate public health risks associated with the closed dumpsites and landfills, and to determine the need, if any, for further investigations of a more detailed nature. The sites represent all of the known dumpsites and landfills closed after 1950.

Date of Government Version: 09/01/2002	Source: Tacoma-Pierce County Health Department
Date Data Arrived at EDR: 03/24/2003	Telephone: 206-591-6500
Date Made Active in Reports: 05/14/2003	Last EDR Contact: 03/19/2003
Number of Days to Update: 51	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/05/2024
Date Data Arrived at EDR: 08/06/2024
Date Made Active in Reports: 10/25/2024
Number of Days to Update: 80

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/05/2024
Next Scheduled EDR Contact: 02/17/2025
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/24/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/28/2024
Next Scheduled EDR Contact: 12/16/2024
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Daycare Center Listing

Source: Department of Social & Health Services

Telephone: 253-383-1735

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Ecology

Telephone: 360-407-6121

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HELION SITE
1476 ROCK ISLAND DAM RD
MALAGA, WA 98828

TARGET PROPERTY COORDINATES

Latitude (North):	47.336544 - 47° 20' 11.56"
Longitude (West):	120.103817 - 120° 6' 13.74"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	718796.9
UTM Y (Meters):	5246413.5
Elevation:	798 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14730014 ROCK ISLAND DAM, WA
Version Date:	2020
Southwest Map:	14729992 MALAGA, WA
Version Date:	2020

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

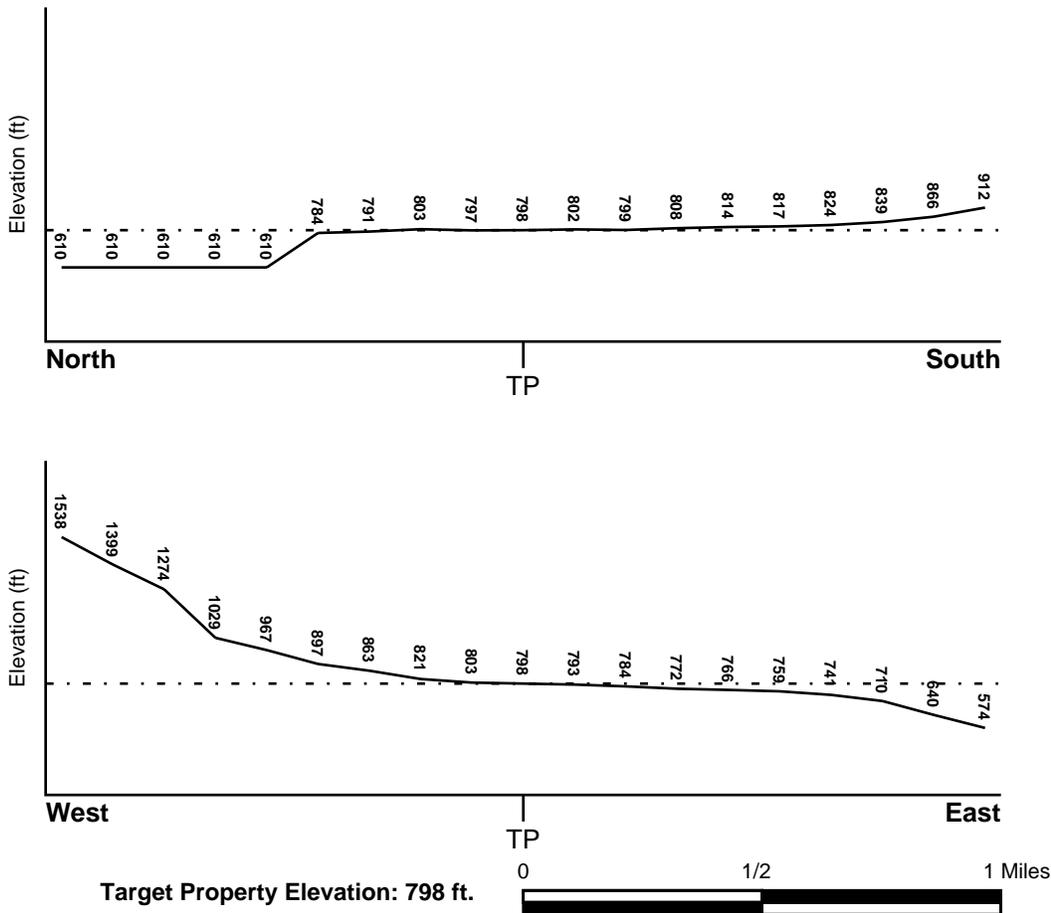
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
5300150450B	FEMA Q3 Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
5300360570B	FEMA Q3 Flood data
5300360635B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ROCK ISLAND DAM	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

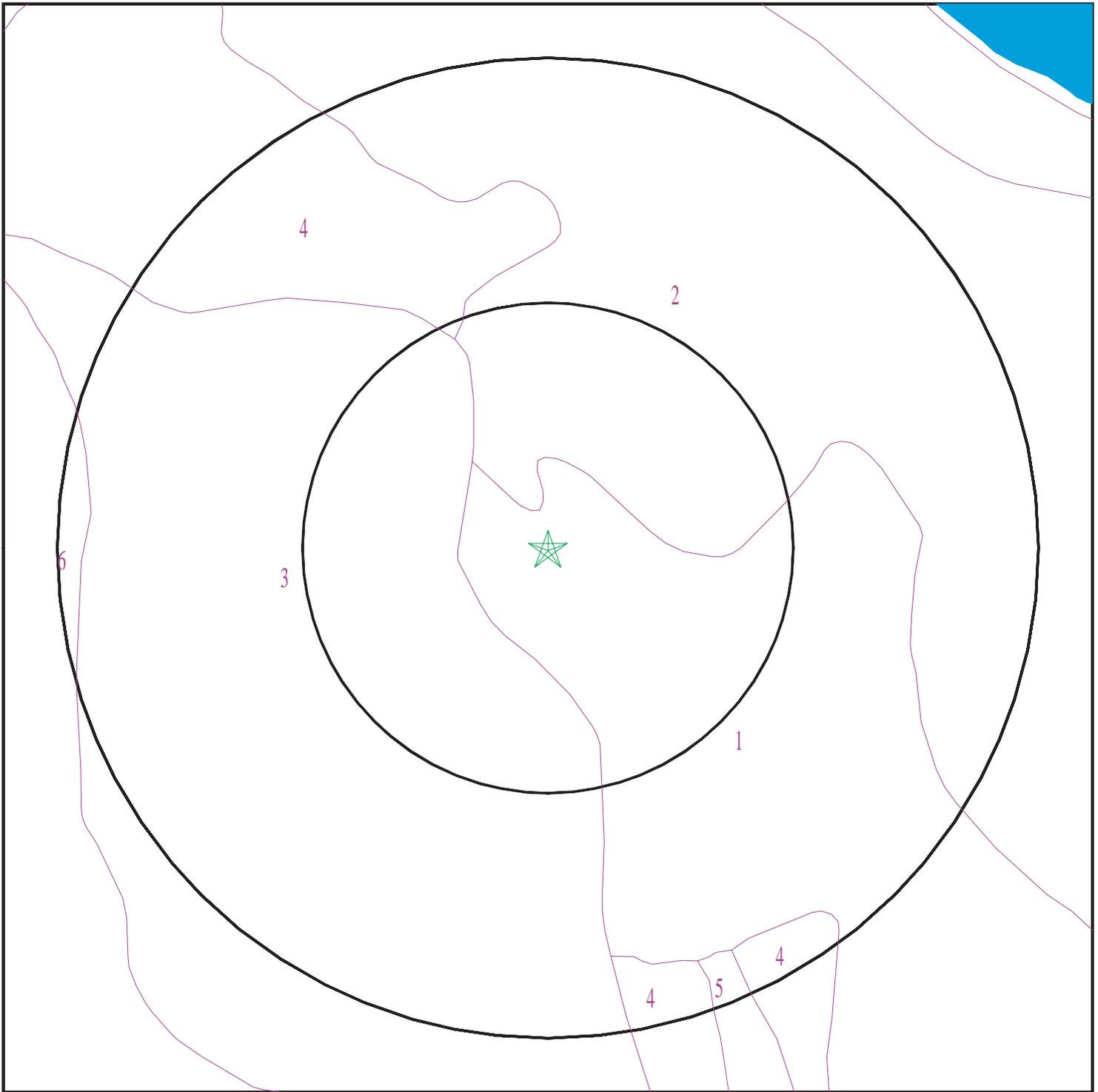
Era: Cenozoic
System: Tertiary
Series: Miocene volcanic rocks
Code: Tmv (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Volcanic Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7825435.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Helion Site
ADDRESS: 1476 ROCK ISLAND DAM RD
MALAGA WA 98828
LAT/LONG: 47.336544 / 120.103817

CLIENT: Nelson Geotechnical Associates
CONTACT: Christopher Ward-Guthrie
INQUIRY #: 7825435.2s
DATE: November 18, 2024 4:32 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Pogue

Soil Surface Texture: gravelly fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6
2	16 inches	29 inches	very gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	29 inches	59 inches	extremely gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6

Soil Map ID: 2

Soil Component Name: Pogue

Soil Surface Texture: gravelly fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	16 inches	29 inches	very gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6
3	29 inches	59 inches	extremely gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6

Soil Map ID: 3

Soil Component Name: Cashmont

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 7.4
2	7 inches	20 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 7.4
3	20 inches	59 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 7.4

Soil Map ID: 4

Soil Component Name: Pogue

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6
2	16 inches	29 inches	very gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6
3	29 inches	59 inches	extremely gravelly coarse sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 7.3 Min: 6.6

Soil Map ID: 5

Soil Component Name: Cashmont

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 7.4
2	7 inches	20 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 7.4
3	20 inches	59 inches	gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 7.4

Soil Map ID: 6

Soil Component Name: Zen

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 61 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Not reported	Not reported	Max: Min:	Max: Min:
2	7 inches	18 inches	silt loam	Not reported	Not reported	Max: Min:	Max: Min:
3	18 inches	24 inches	silt loam	Not reported	Not reported	Max: Min:	Max: Min:
4	24 inches	33 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
G50	USGS40001255736	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

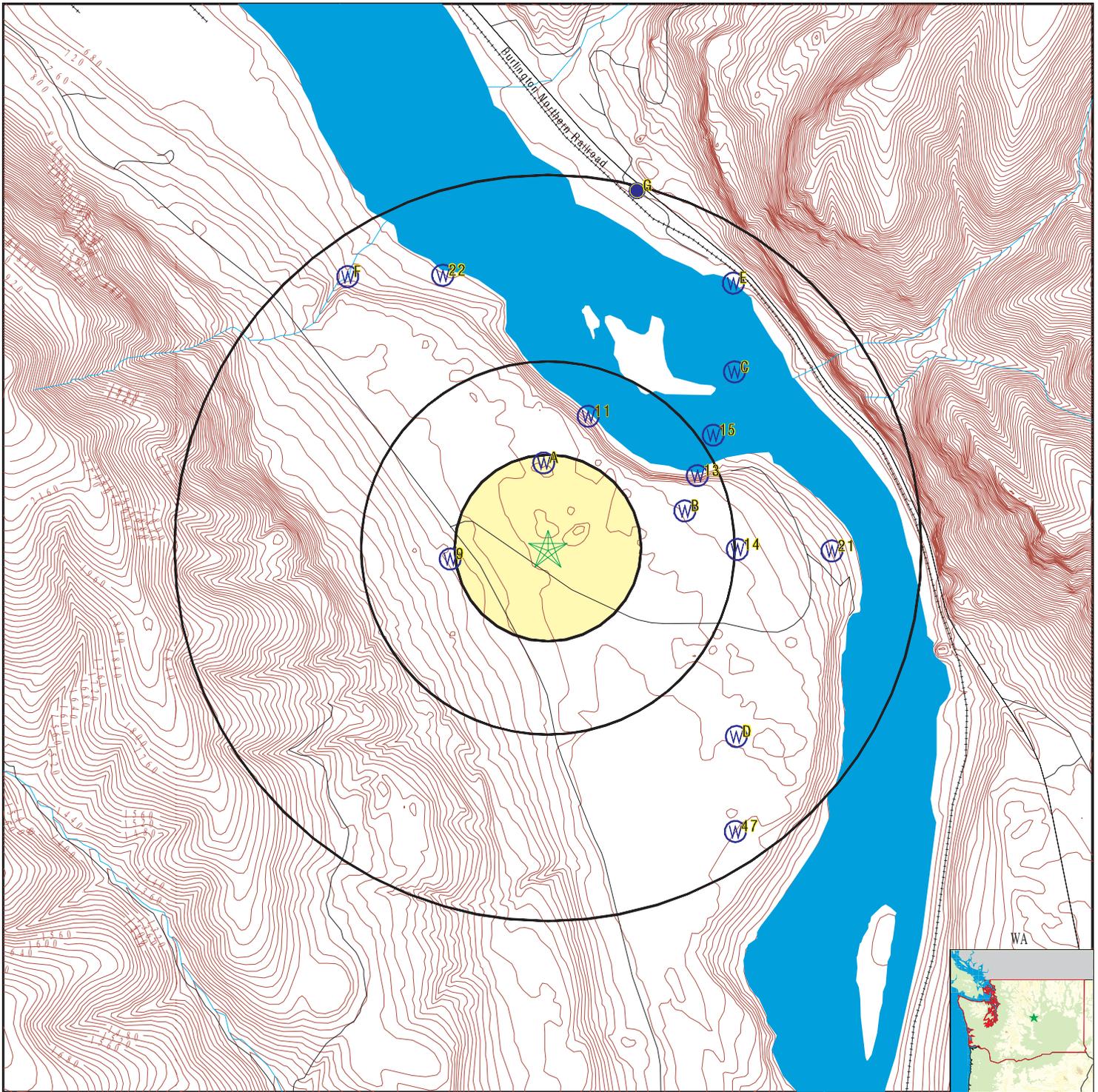
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	WALOG3000765952	1/8 - 1/4 Mile North
A2	WALOG3000765951	1/8 - 1/4 Mile North
A3	WALOG3000765950	1/8 - 1/4 Mile North
A4	WALOG3000850985	1/8 - 1/4 Mile North
A5	WALOG3000850980	1/8 - 1/4 Mile North
A6	WALOG3000765955	1/8 - 1/4 Mile North
A7	WALOG3000765954	1/8 - 1/4 Mile North
A8	WALOG3000765953	1/8 - 1/4 Mile North
9	WALOG3000840959	1/4 - 1/2 Mile West
B10	WA1300000014790	1/4 - 1/2 Mile ENE
11	WALOG3000212129	1/4 - 1/2 Mile NNE
B12	WALOG3000207389	1/4 - 1/2 Mile ENE
13	WA1300000014791	1/4 - 1/2 Mile ENE
14	WALOG3000864389	1/2 - 1 Mile East
15	WA1300000014789	1/2 - 1 Mile NE
C16	WALOG3000801429	1/2 - 1 Mile NE
C17	WALOG3000801445	1/2 - 1 Mile NE
C18	WALOG3000954985	1/2 - 1 Mile NE
D19	WALOG3000954976	1/2 - 1 Mile SE
D20	WALOG3000954969	1/2 - 1 Mile SE
21	WALOG3000099005	1/2 - 1 Mile East
22	WALOG3000850981	1/2 - 1 Mile NNW
E23	WALOG3000561611	1/2 - 1 Mile NE
E24	WALOG3000561608	1/2 - 1 Mile NE
E25	WALOG3000561614	1/2 - 1 Mile NE
E26	WALOG3000561612	1/2 - 1 Mile NE
F27	WALOG3000661699	1/2 - 1 Mile NW
F28	WALOG3000661698	1/2 - 1 Mile NW
F29	WALOG3000661700	1/2 - 1 Mile NW
F30	WALOG3000661702	1/2 - 1 Mile NW
F31	WALOG3000661701	1/2 - 1 Mile NW
F32	WALOG3000661694	1/2 - 1 Mile NW
F33	WALOG3000661693	1/2 - 1 Mile NW
F34	WALOG3000661695	1/2 - 1 Mile NW
F35	WALOG3000661697	1/2 - 1 Mile NW
F36	WALOG3000661696	1/2 - 1 Mile NW
F37	WALOG3000661716	1/2 - 1 Mile NW
F38	WALOG3000661715	1/2 - 1 Mile NW
F39	WALOG3000661717	1/2 - 1 Mile NW
F40	WALOG3000661722	1/2 - 1 Mile NW
F41	WALOG3000661721	1/2 - 1 Mile NW
F42	WALOG3000661711	1/2 - 1 Mile NW
F43	WALOG3000661703	1/2 - 1 Mile NW
F44	WALOG3000661712	1/2 - 1 Mile NW
F45	WALOG3000661714	1/2 - 1 Mile NW
F46	WALOG3000661713	1/2 - 1 Mile NW
47	WALOG3000954975	1/2 - 1 Mile SSE
G48	WALOG3000052539	1/2 - 1 Mile NNE
G49	WALOG3000052540	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 7825435.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Helion Site
 ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA WA 98828
 LAT/LONG: 47.336544 / 120.103817

CLIENT: Nelson Geotechnical Associates
 CONTACT: Christopher Ward-Guthrie
 INQUIRY #: 7825435.2s
 DATE: November 18, 2024 4:32 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
North
1/8 - 1/4 Mile
Higher

WA WELLS WALOG3000765952

WELLS WELL LOG:

Well Log ID:	557428	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	AE04307
Date Received:	27-OCT-08	Diameter (in):	8
Casing Depth (ft):	14	Well Completion:	01-OCT-08
Well Owner:	CHELAN COUNTY PUBLIC UTILITY DISTRICT Nelson Geotechnical		
Well Type:	Decommisioning	Static Water Level:	Not Reported
Flow Rate (gpm):	Not Reported	Flow Type:	Not Reported
PSI:	Not Reported	Well Test:	Not Reported
Water Reclamation #:	40		

A2
North
1/8 - 1/4 Mile
Higher

WA WELLS WALOG3000765951

WELLS WELL LOG:

Well Log ID:	557427	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	AE04307
Date Received:	27-OCT-08	Diameter (in):	8
Casing Depth (ft):	15	Well Completion:	01-OCT-08
Well Owner:	CHELAN COUNTY PUBLIC UTILITY DISTRICT Nelson Geotechnical		
Well Type:	Decommisioning	Static Water Level:	Not Reported
Flow Rate (gpm):	Not Reported	Flow Type:	Not Reported
PSI:	Not Reported	Well Test:	Not Reported
Water Reclamation #:	40		

A3
North
1/8 - 1/4 Mile
Higher

WA WELLS WALOG3000765950

WELLS WELL LOG:

Well Log ID:	557425	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	AE04307
Date Received:	27-OCT-08	Diameter (in):	8
Casing Depth (ft):	30	Well Completion:	01-OCT-08
Well Owner:	CHELAN COUNTY PUBLIC UTILITY DISTRICT Nelson Geotechnical		
Well Type:	Decommisioning	Static Water Level:	Not Reported
Flow Rate (gpm):	Not Reported	Flow Type:	Not Reported
PSI:	Not Reported	Well Test:	Not Reported
Water Reclamation #:	40		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A4
North
1/8 - 1/4 Mile
Higher

WA WELLS WALOG3000850985

WELLS WELL LOG:

Well Log ID:	1802415	Well Tag #:	BKG092
Project Tag #:	Not Reported	Notice of Intent #:	WE31096
Date Received:	23-JUL-18	Diameter (in):	8
Casing Depth (ft):	270	Well Completion:	01-JUN-18
Well Owner:	Chelan County PUD	Well Type:	Water
Static Water Level:	0	Flow Rate (gpm):	0
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

A5
North
1/8 - 1/4 Mile
Higher

WA WELLS WALOG3000850980

WELLS WELL LOG:

Well Log ID:	1802410	Well Tag #:	BKG093
Project Tag #:	Not Reported	Notice of Intent #:	WE31097
Date Received:	23-JUL-18	Diameter (in):	8
Casing Depth (ft):	392	Well Completion:	07-JUN-18
Well Owner:	Chelan County PUD	Well Type:	Water
Static Water Level:	181	Flow Rate (gpm):	120
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Air Test	Water Reclamation #:	40

A6
North
1/8 - 1/4 Mile
Higher

WA WELLS WALOG3000765955

WELLS WELL LOG:

Well Log ID:	557432	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	SE03214
Date Received:	27-OCT-08	Diameter (in):	8
Casing Depth (ft):	14	Well Completion:	01-OCT-08
Well Owner:	CHELAN COUNTY PUBLIC UTILITY DISTRICT Nelson Geotechnical		
Well Type:	Resource Protection	Static Water Level:	Not Reported
Flow Rate (gpm):	Not Reported	Flow Type:	Not Reported
PSI:	Not Reported	Well Test:	Not Reported
Water Reclamation #:	40		

A7
North
1/8 - 1/4 Mile
Higher

WA WELLS WALOG3000765954

WELLS WELL LOG:

Well Log ID:	557431	Well Tag #:	Not Reported
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Project Tag #:	Not Reported	Notice of Intent #:	SE03214
Date Received:	27-OCT-08	Diameter (in):	8
Casing Depth (ft):	15	Well Completion:	01-OCT-08
Well Owner:	CHELAN COUNTY PUBLIC UTILITY DISTRICT Nelson Geotechnical		
Well Type:	Resource Protection	Static Water Level:	Not Reported
Flow Rate (gpm):	Not Reported	Flow Type:	Not Reported
PSI:	Not Reported	Well Test:	Not Reported
Water Reclamation #:	40		

A8
North
1/8 - 1/4 Mile
Higher

WA WELLS WALOG3000765953

WELLS WELL LOG:

Well Log ID:	557429	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	SE03214
Date Received:	27-OCT-08	Diameter (in):	8
Casing Depth (ft):	30	Well Completion:	01-OCT-08
Well Owner:	CHELAN COUNTY PUBLIC UTILITY DISTRICT Nelson Geotechnical		
Well Type:	Resource Protection	Static Water Level:	Not Reported
Flow Rate (gpm):	Not Reported	Flow Type:	Not Reported
PSI:	Not Reported	Well Test:	Not Reported
Water Reclamation #:	40		

9
West
1/4 - 1/2 Mile
Higher

WA WELLS WALOG3000840959

WELLS WELL LOG:

Well Log ID:	626888	Well Tag #:	BBN655
Project Tag #:	Not Reported	Notice of Intent #:	GE00096
Date Received:	07-OCT-09	Diameter (in):	8
Casing Depth (ft):	500	Well Completion:	28-SEP-09
Well Owner:	Williams Pipeline Total Corrosion Solutions		
Well Type:	Resource Protection	Static Water Level:	Not Reported
Flow Rate (gpm):	Not Reported	Flow Type:	Not Reported
PSI:	Not Reported	Well Test:	Not Reported
Water Reclamation #:	40		

B10
ENE
1/4 - 1/2 Mile
Lower

WA WELLS WA1300000014790

WELLS - PWS:

PWS ID:	73380	Source #:	02
Source Name:	WELL 2	Source Status:	Active
Source Type:	Ground Water - Well Field Well		
Source Use:	Permanent	Date Source Effective:	03/13/2014
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Alkali-Squichuck
Well Depth:	240	Source Susceptibility:	L
System Name:	ROCK ISLAND DAM POWER HOUSE 2		
Public Water System Group:	A	System Type:	NTNC
Full Time Res Pop:	0	Total Population Served:	30

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total Connections:	7	PWS Status:	Active
Residential Connection:	0	DOE Well Tag:	Not Reported
Capacity (gpm):	250	Influenced By Droughts:	N
Influenced By Flooding:	N	Influenced By Surface Water:	U

11
NNE
1/4 - 1/2 Mile
Lower

WA WELLS WALOG3000212129

WELLS WELL LOG:

Well Log ID:	133730	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	Not Reported
Date Received:	Not Reported	Diameter (in):	6
Casing Depth (ft):	66	Well Completion:	23-JUL-78
Well Owner:	WILLIAM PERKINS	Well Type:	Water
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

B12
ENE
1/4 - 1/2 Mile
Lower

WA WELLS WALOG3000207389

WELLS WELL LOG:

Well Log ID:	131233	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	Not Reported
Date Received:	05-DEC-77	Diameter (in):	12
Casing Depth (ft):	235	Well Completion:	15-AUG-77
Well Owner:	PUD NO 1 CHELAN COUNTY	Well Type:	Water
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

13
ENE
1/4 - 1/2 Mile
Lower

WA WELLS WA1300000014791

WELLS - PWS:

PWS ID:	73380	Source #:	03
Source Name:	Wellfield S01/S02	Source Status:	Active
Source Type:	Ground Water - Well Field	Source Use:	Permanent
Date Source Effective:	05/21/2014	Date Source Inactive:	Not Reported
Water Resource Inventory Area:	Alkali-Squilchuck	Well Depth:	240
Source Susceptibility:	L	System Name:	ROCK ISLAND DAM POWER HOUSE 2
Public Water System Group:	A	System Type:	NTNC
Full Time Res Pop:	0	Total Population Served:	30
Total Connections:	7	PWS Status:	Active
Residential Connection:	0	DOE Well Tag:	Not Reported
Capacity (gpm):	250	Influenced By Droughts:	N
Influenced By Flooding:	N	Influenced By Surface Water:	U

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

14
East
1/2 - 1 Mile
Lower

WA WELLS WALOG3000864389

WELLS WELL LOG:

Well Log ID:	1834251	Well Tag #:	BKW672
Project Tag #:	Not Reported	Notice of Intent #:	WE26361
Date Received:	06-AUG-18	Diameter (in):	12
Casing Depth (ft):	285	Well Completion:	19-MAY-17
Well Owner:	Chelan County PUD	Well Type:	Water
Static Water Level:	165	Flow Rate (gpm):	150
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Pump Test	Water Reclamation #:	40

15
NE
1/2 - 1 Mile
Lower

WA WELLS WA1300000014789

WELLS - PWS:

PWS ID:	73380	Source #:	01
Source Name:	WELL 1	Source Status:	Active
Source Type:	Ground Water - Well Field Well		
Source Use:	Permanent	Date Source Effective:	01/01/1970
Date Source Inactive:	Not Reported	Water Resource Inventory Area:	Alkali-Squichuck
Well Depth:	242	Source Susceptibility:	L
System Name:	ROCK ISLAND DAM POWER HOUSE 2		
Public Water System Group:	A	System Type:	NTNC
Full Time Res Pop:	0	Total Population Served:	30
Total Connections:	7	PWS Status:	Active
Residential Connection:	0	DOE Well Tag:	Not Reported
Capacity (gpm):	250	Influenced By Droughts:	N
Influenced By Flooding:	N	Influenced By Surface Water:	U

C16
NE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000801429

WELLS WELL LOG:

Well Log ID:	1704917	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	SE65762
Date Received:	09-MAY-18	Diameter (in):	4.5
Casing Depth (ft):	51	Well Completion:	18-APR-18
Well Owner:	Chelan County PUD	Well Type:	Resource Protection
Static Water Level:	44.75	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C17
NE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000801445

WELLS WELL LOG:

Well Log ID:	1704938	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	AE48430
Date Received:	09-MAY-18	Diameter (in):	4.5
Casing Depth (ft):	44.75	Well Completion:	18-APR-18
Well Owner:	Chelan County PUD	Well Type:	Decommissioning
Static Water Level:	44.75	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

C18
NE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000954985

WELLS WELL LOG:

Well Log ID:	2013844	Well Tag #:	BJB191
Project Tag #:	Not Reported	Notice of Intent #:	WE38335
Date Received:	16-NOV-20	Diameter (in):	8
Casing Depth (ft):	222	Well Completion:	19-MAR-20
Well Owner:	Regional Water System	Well Type:	Water
Static Water Level:	192.5	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

D19
SE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000954976

WELLS WELL LOG:

Well Log ID:	2013835	Well Tag #:	BNA033
Project Tag #:	Not Reported	Notice of Intent #:	WE40482
Date Received:	16-NOV-20	Diameter (in):	8
Casing Depth (ft):	237	Well Completion:	24-AUG-20
Well Owner:	Regional Water System	Well Type:	Water
Static Water Level:	191	Flow Rate (gpm):	33
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Air Test	Water Reclamation #:	40

D20
SE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000954969

WELLS WELL LOG:

Well Log ID:	2013828	Well Tag #:	BNA033
Project Tag #:	Not Reported	Notice of Intent #:	AE62358

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Received:	16-NOV-20	Diameter (in):	8
Casing Depth (ft):	0	Well Completion:	25-AUG-20
Well Owner:	Regional Water System TW6	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

21
East
1/2 - 1 Mile
Lower

WA WELLS WALOG3000099005

WELLS WELL LOG:

Well Log ID:	762033	Well Tag #:	BCE172
Project Tag #:	Not Reported	Notice of Intent #:	W301481
Date Received:	27-SEP-11	Diameter (in):	6
Casing Depth (ft):	260	Well Completion:	07-JUL-11
Well Owner:	James Gaines	Well Type:	Water
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

22
NNW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000850981

WELLS WELL LOG:

Well Log ID:	1802411	Well Tag #:	BKG098
Project Tag #:	Not Reported	Notice of Intent #:	WE31098
Date Received:	06-AUG-18	Diameter (in):	8
Casing Depth (ft):	125	Well Completion:	24-JUL-18
Well Owner:	Chelan County PUD	Well Type:	Water
Static Water Level:	0	Flow Rate (gpm):	0
Flow Type:	Dry Hole	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

E23
NE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000561611

WELLS WELL LOG:

Well Log ID:	1570561	Well Tag #:	Not Reported
Project Tag #:	B-1	Notice of Intent #:	AE35268
Date Received:	31-MAY-16	Diameter (in):	6
Casing Depth (ft):	25	Well Completion:	02-MAY-16
Well Owner:	Chelan County PUD	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

E24
NE
 1/2 - 1 Mile
 Lower

WA WELLS WALOG3000561608

WELLS WELL LOG:

Well Log ID:	1570557	Well Tag #:	Not Reported
Project Tag #:	B-2	Notice of Intent #:	SE56901
Date Received:	31-MAY-16	Diameter (in):	6
Casing Depth (ft):	25	Well Completion:	03-MAY-14
Well Owner:	Chelan County PUD	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

E25
NE
 1/2 - 1 Mile
 Lower

WA WELLS WALOG3000561614

WELLS WELL LOG:

Well Log ID:	1570564	Well Tag #:	Not Reported
Project Tag #:	B-1	Notice of Intent #:	SE56901
Date Received:	31-MAY-16	Diameter (in):	6
Casing Depth (ft):	25	Well Completion:	02-MAY-16
Well Owner:	Chelan County PUD	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

E26
NE
 1/2 - 1 Mile
 Lower

WA WELLS WALOG3000561612

WELLS WELL LOG:

Well Log ID:	1570562	Well Tag #:	Not Reported
Project Tag #:	B-2	Notice of Intent #:	AE35268
Date Received:	31-MAY-16	Diameter (in):	6
Casing Depth (ft):	25	Well Completion:	03-MAY-14
Well Owner:	Chelan County PUD	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

F27
NW
 1/2 - 1 Mile
 Lower

WA WELLS WALOG3000661699

WELLS WELL LOG:

Well Log ID:	1625056	Well Tag #:	Not Reported
Project Tag #:	Boring 4	Notice of Intent #:	AE40298

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	22.5	Well Completion:	02-DEC-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F28
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661698

WELLS WELL LOG:

Well Log ID:	1625055	Well Tag #:	Not Reported
Project Tag #:	Boring 1	Notice of Intent #:	AE40298
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	30	Well Completion:	08-DEC-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F29
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661700

WELLS WELL LOG:

Well Log ID:	1625057	Well Tag #:	Not Reported
Project Tag #:	Boring 6	Notice of Intent #:	AE40298
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	27	Well Completion:	01-DEC-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F30
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661702

WELLS WELL LOG:

Well Log ID:	1625059	Well Tag #:	Not Reported
Project Tag #:	Boring 9	Notice of Intent #:	AE40298
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	17	Well Completion:	29-NOV-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F31
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661701

WELLS WELL LOG:

Well Log ID:	1625058	Well Tag #:	Not Reported
Project Tag #:	Boring 7	Notice of Intent #:	AE40298
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	18	Well Completion:	30-NOV-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

F32
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661694

WELLS WELL LOG:

Well Log ID:	1625051	Well Tag #:	Not Reported
Project Tag #:	Boring 3	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	30	Well Completion:	06-DEC-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

F33
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661693

WELLS WELL LOG:

Well Log ID:	1625050	Well Tag #:	Not Reported
Project Tag #:	Boring 1	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	30	Well Completion:	08-DEC-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

F34
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661695

WELLS WELL LOG:

Well Log ID:	1625052	Well Tag #:	Not Reported
Project Tag #:	Boring 4	Notice of Intent #:	SE60266

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	22.5	Well Completion:	02-DEC-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F35
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661697

WELLS WELL LOG:

Well Log ID:	1625054	Well Tag #:	Not Reported
Project Tag #:	Boring 9	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	17	Well Completion:	29-NOV-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F36
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661696

WELLS WELL LOG:

Well Log ID:	1625053	Well Tag #:	Not Reported
Project Tag #:	Boring 6	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	27	Well Completion:	01-DEC-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F37
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661716

WELLS WELL LOG:

Well Log ID:	1625074	Well Tag #:	Not Reported
Project Tag #:	Boring 8	Notice of Intent #:	AE40298
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	30	Well Completion:	29-NOV-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F38
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661715

WELLS WELL LOG:

Well Log ID:	1625073	Well Tag #:	Not Reported
Project Tag #:	Boring 5	Notice of Intent #:	AE40298
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	23	Well Completion:	02-DEC-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

F39
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661717

WELLS WELL LOG:

Well Log ID:	1625075	Well Tag #:	Not Reported
Project Tag #:	Boring 10	Notice of Intent #:	AE40298
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	30	Well Completion:	28-NOV-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

F40
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661722

WELLS WELL LOG:

Well Log ID:	1625080	Well Tag #:	Not Reported
Project Tag #:	Boring 10	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	30	Well Completion:	28-NOV-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

F41
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661721

WELLS WELL LOG:

Well Log ID:	1625079	Well Tag #:	Not Reported
Project Tag #:	Boring 3	Notice of Intent #:	AE40298

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	30	Well Completion:	06-DEC-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F42
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661711

WELLS WELL LOG:

Well Log ID:	1625068	Well Tag #:	Not Reported
Project Tag #:	Boring 2	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	27	Well Completion:	08-DEC-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F43
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661703

WELLS WELL LOG:

Well Log ID:	1625060	Well Tag #:	Not Reported
Project Tag #:	Boring 8	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	6
Casing Depth (ft):	30	Well Completion:	29-NOV-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

**F44
NW
1/2 - 1 Mile
Lower**

WA WELLS WALOG3000661712

WELLS WELL LOG:

Well Log ID:	1625069	Well Tag #:	Not Reported
Project Tag #:	Boring 5	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	23	Well Completion:	02-DEC-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F45
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661714

WELLS WELL LOG:

Well Log ID:	1625072	Well Tag #:	Not Reported
Project Tag #:	Boring 2	Notice of Intent #:	AE40298
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	27	Well Completion:	08-DEC-16
Well Owner:	Landau	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

F46
NW
1/2 - 1 Mile
Lower

WA WELLS WALOG3000661713

WELLS WELL LOG:

Well Log ID:	1625070	Well Tag #:	Not Reported
Project Tag #:	Boring 7	Notice of Intent #:	SE60266
Date Received:	17-MAR-17	Diameter (in):	4
Casing Depth (ft):	18	Well Completion:	30-NOV-16
Well Owner:	Landau	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Applicable	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

47
SSE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000954975

WELLS WELL LOG:

Well Log ID:	2013834	Well Tag #:	BJB191
Project Tag #:	Not Reported	Notice of Intent #:	AE62357
Date Received:	16-NOV-20	Diameter (in):	8
Casing Depth (ft):	0	Well Completion:	27-AUG-20
Well Owner:	Regional Water System TW5	Well Type:	Decommissioning
Static Water Level:	192.5	Flow Rate (gpm):	Not Reported
Flow Type:	Static Level	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	40

G48
NNE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000052539

WELLS WELL LOG:

Well Log ID:	740872	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	SE43205

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Date Received:	01-AUG-11	Diameter (in):	8
Casing Depth (ft):	30	Well Completion:	15-JUL-11
Well Owner:	BNSF Railway	Well Type:	Resource Protection
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

G49
NNE
1/2 - 1 Mile
Lower

WA WELLS WALOG3000052540

WELLS WELL LOG:

Well Log ID:	740874	Well Tag #:	Not Reported
Project Tag #:	Not Reported	Notice of Intent #:	AE13999
Date Received:	01-AUG-11	Diameter (in):	8
Casing Depth (ft):	30	Well Completion:	15-JUL-11
Well Owner:	BNSF Railway	Well Type:	Decommissioning
Static Water Level:	Not Reported	Flow Rate (gpm):	Not Reported
Flow Type:	Not Reported	PSI:	Not Reported
Well Test:	Not Reported	Water Reclamation #:	44

G50
NNE
1/2 - 1 Mile
Lower

FED USGS USGS40001255736

Organization ID:	USGS-WA	Type:	Well
Organization Name:	USGS Washington Water Science Center	HUC:	17020010
Monitor Location:	22N/22E-32Q01	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported	Formation Type:	Not Reported
Contrib Drainage Area:	Not Reported	Construction Date:	Not Reported
Aquifer:	Not Reported	Well Depth Units:	ft
Aquifer Type:	Not Reported	Well Hole Depth Units:	Not Reported
Well Depth:	85		
Well Hole Depth:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for CHELAN County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 98828

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.200 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Ecology

Telephone: 360-407-6121

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Wells

Source: Department of Health

Telephone: 360-236-3148

Group A and B well locations.

Water Well Listing

Source: Public Utility District

Telephone: 206-779-7656

A listing of water well locations in Kitsap County.

Ecology Well Logs

Source: Department of Ecology

Telephone: 360-407-7294

Point geodatabase with a record for each Ecology well report. Points are located by quarter quarter section centroid.

Points contain all well report types including water wells, resource protection wells, and decommissioned wells.

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Listing

Source: Department of Natural Resources

Telephone: 360-902-1450

Locations that represent oil and gas test well sites in Washington State from 1890 to present.

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX B

AERIAL PHOTOGRAPHS



Helion Site

1476 ROCK ISLAND DAM RD

MALAGA, WA 98828

Inquiry Number: 7825435.8

November 19, 2024

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

11/19/24

Site Name:

Helion Site
1476 ROCK ISLAND DAM RD
MALAGA, WA 98828
EDR Inquiry # 7825435.8

Client Name:

Nelson Geotechnical Associates
17311 135th Avenue NE Suite A500
Woodinville, WA 98072
Contact: Christopher Ward-Guthrie



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2019	1"=500'	Flight Year: 2019	USDA/NAIP
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1996	1"=500'	Acquisition Date: January 01, 1996	USGS/DOQQ
1990	1"=500'	Acquisition Date: July 28, 1990	USGS/DOQQ
1983	1"=500'	Flight Date: August 02, 1983	USDA
1977	1"=500'	Flight Date: July 07, 1977	USGS
1964	1"=500'	Flight Date: November 02, 1964	USGS
1957	1"=500'	Flight Date: September 11, 1957	USGS
1952	1"=500'	Flight Date: September 14, 1952	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 7825435.8

YEAR: 2019

— = 500'





INQUIRY #: 7825435.8

YEAR: 2015

— = 500'





INQUIRY #: 7825435.8

YEAR: 2011

— = 500'





INQUIRY #: 7825435.8

YEAR: 2006

— = 500'





INQUIRY #: 7825435.8

YEAR: 1996

— = 500'





INQUIRY #: 7825435.8

YEAR: 1990

— = 500'





INQUIRY #: 7825435.8

YEAR: 1983

— = 500'





INQUIRY #: 7825435.8

YEAR: 1977

 = 500'



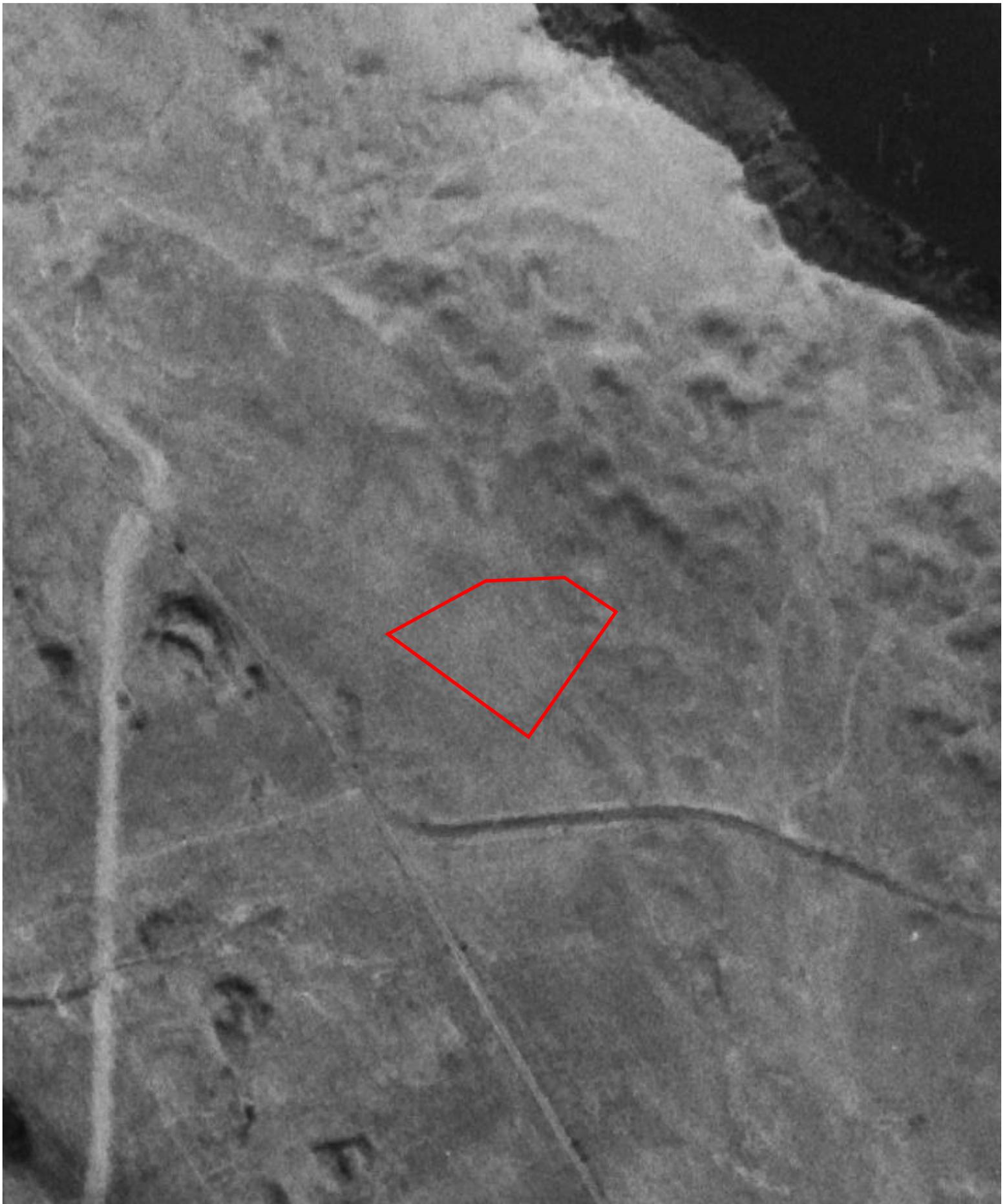


INQUIRY #: 7825435.8

YEAR: 1964

 = 500'



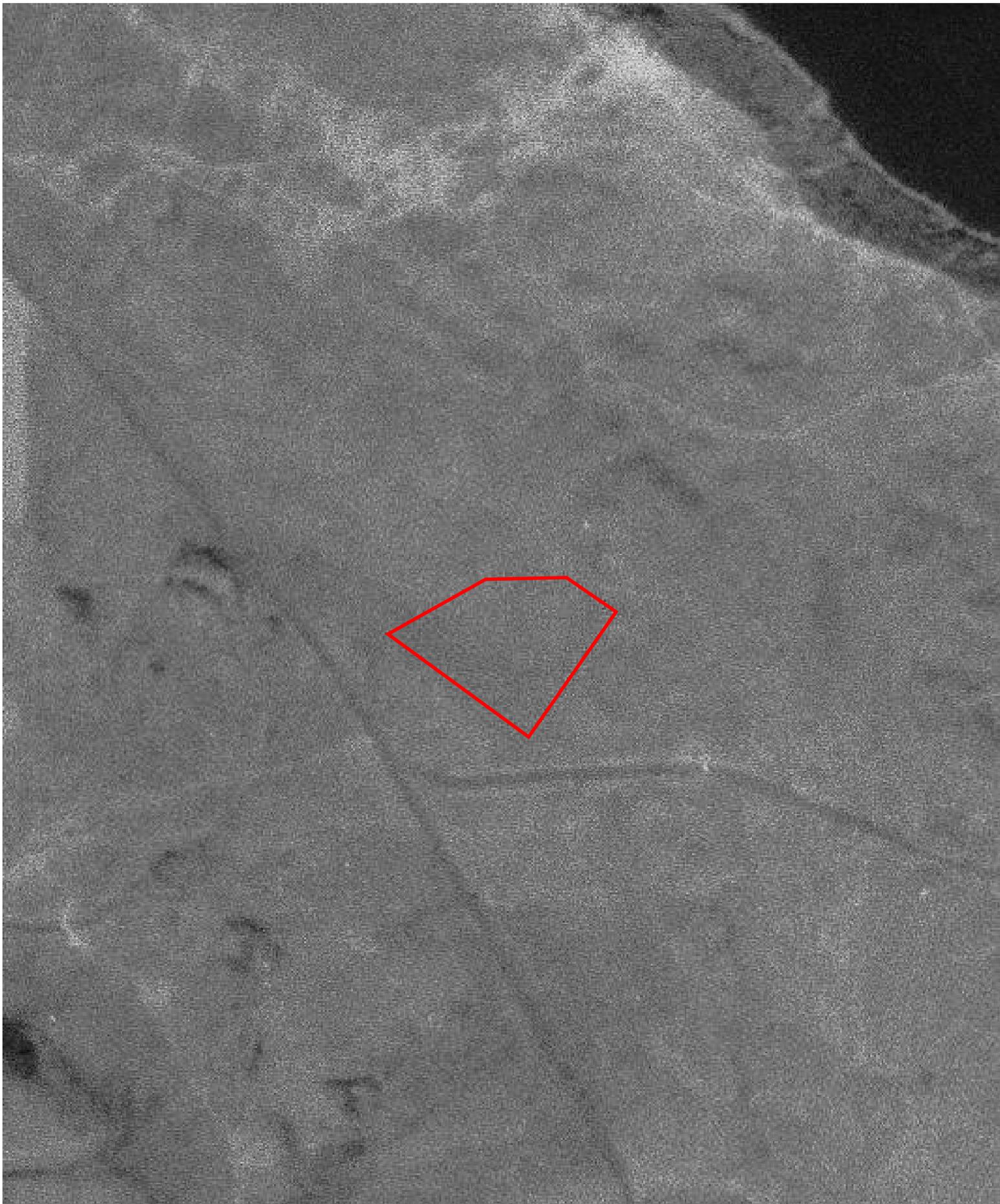


INQUIRY #: 7825435.8

YEAR: 1957

 = 500'





INQUIRY #: 7825435.8

YEAR: 1952

— = 500'



APPENDIX C

SANBORN MAPS

Helion Site

1476 ROCK ISLAND DAM RD

MALAGA, WA 98828

Inquiry Number: 7825435.3

November 18, 2024

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/18/24

Site Name:

Helion Site
1476 ROCK ISLAND DAM RD
MALAGA, WA 98828
EDR Inquiry # 7825435.3

Client Name:

Nelson Geotechnical Associates
17311 135th Avenue NE Suite A500
Woodinville, WA 98072
Contact: Christopher Ward-Guthrie



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Nelson Geotechnical Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 6875-4497-9AFC
PO # 15491B24
Project Helion Energy Phase I ESA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 6875-4497-9AFC

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX D

TOPOGRAPHIC MAPS

Helion Site

1476 ROCK ISLAND DAM RD

MALAGA, WA 98828

Inquiry Number: 7825435.4

November 18, 2024

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

11/18/24

Site Name:

Helion Site
1476 ROCK ISLAND DAM RD
MALAGA, WA 98828
EDR Inquiry # 7825435.4

Client Name:

Nelson Geotechnical Associates
17311 135th Avenue NE Suite A500
Woodinville, WA 98072
Contact: Christopher Ward-Guthrie



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Nelson Geotechnical Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	15491B24	Latitude:	47.336544 47° 20' 12" North
Project:	Helion Energy Phase I ESA	Longitude:	-120.103817 -120° 6' 14" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	718790.09
		UTM Y Meters:	5246632.04
		Elevation:	798.00' above sea level

Maps Provided:

2020
2017
2014
1966
1922
1920
1914
1912

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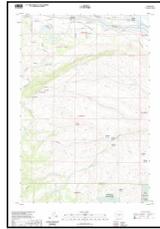
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2020 Source Sheets

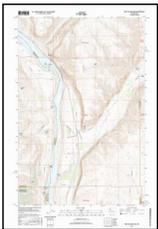


Rock Island Dam
2020
7.5-minute, 24000

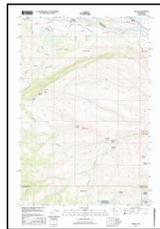


Malaga
2020
7.5-minute, 24000

2017 Source Sheets



Rock Island Dam
2017
7.5-minute, 24000



Malaga
2017
7.5-minute, 24000

2014 Source Sheets

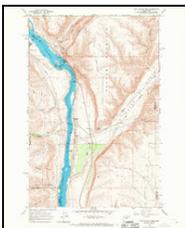


Rock Island Dam
2014
7.5-minute, 24000



Malaga
2014
7.5-minute, 24000

1966 Source Sheets



Rock Island Dam
1966
7.5-minute, 24000
Aerial Photo Revised 1964



Malaga
1966
7.5-minute, 24000
Aerial Photo Revised 1964

Topo Sheet Key

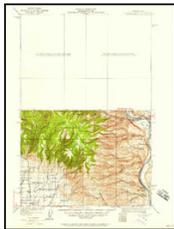
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1922 Source Sheets



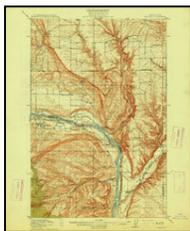
Colockum Pass
1922
30-minute, 125000

1920 Source Sheets



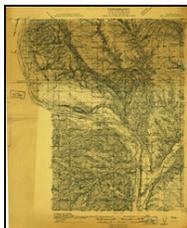
Colockum Pass
1920
30-minute, 125000

1914 Source Sheets

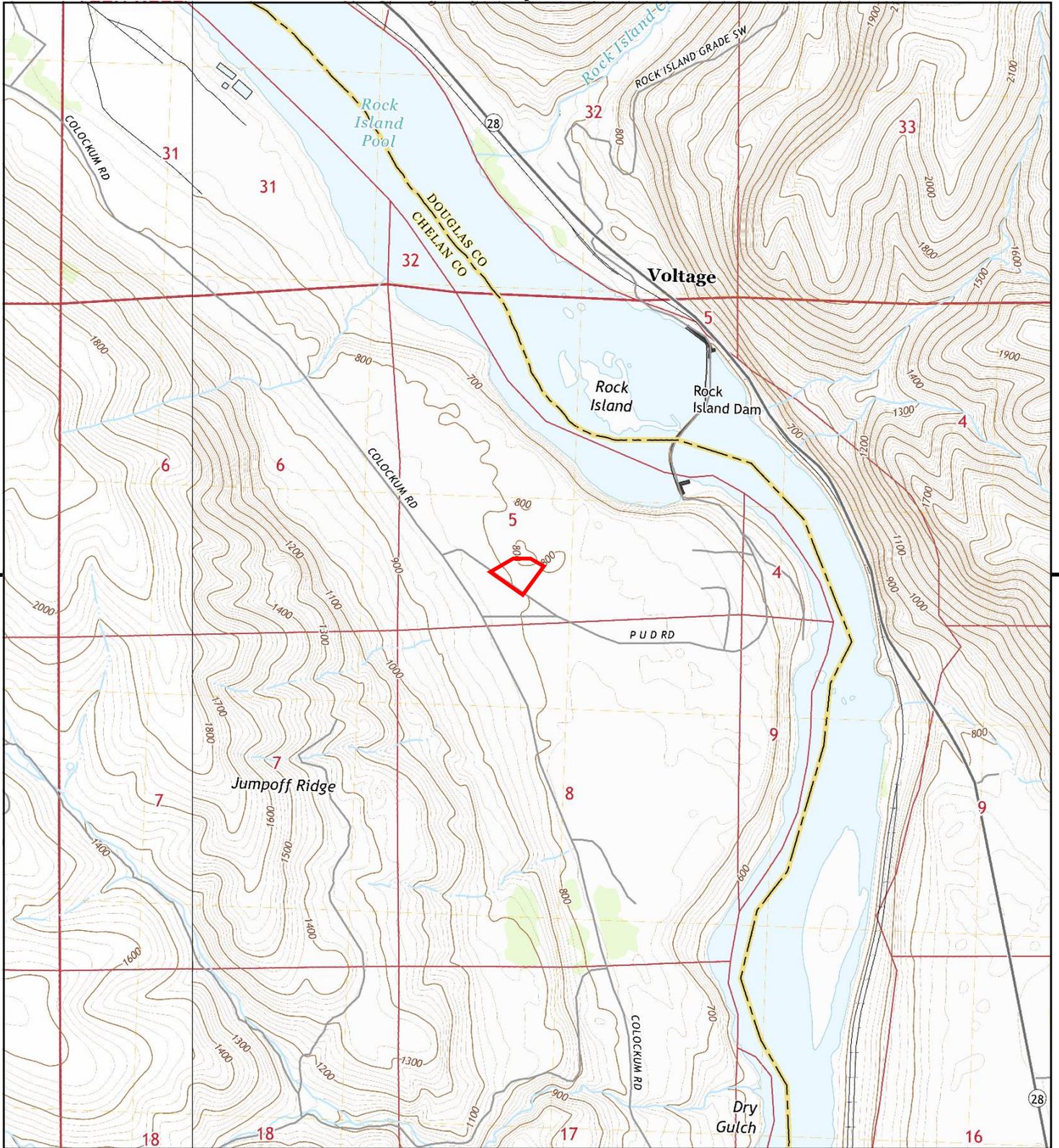


Malaga
1914
15-minute, 62500

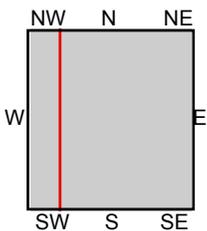
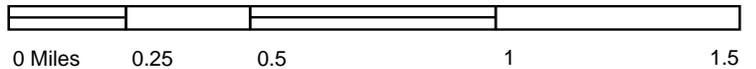
1912 Source Sheets



Malaga
1912
15-minute, 48000



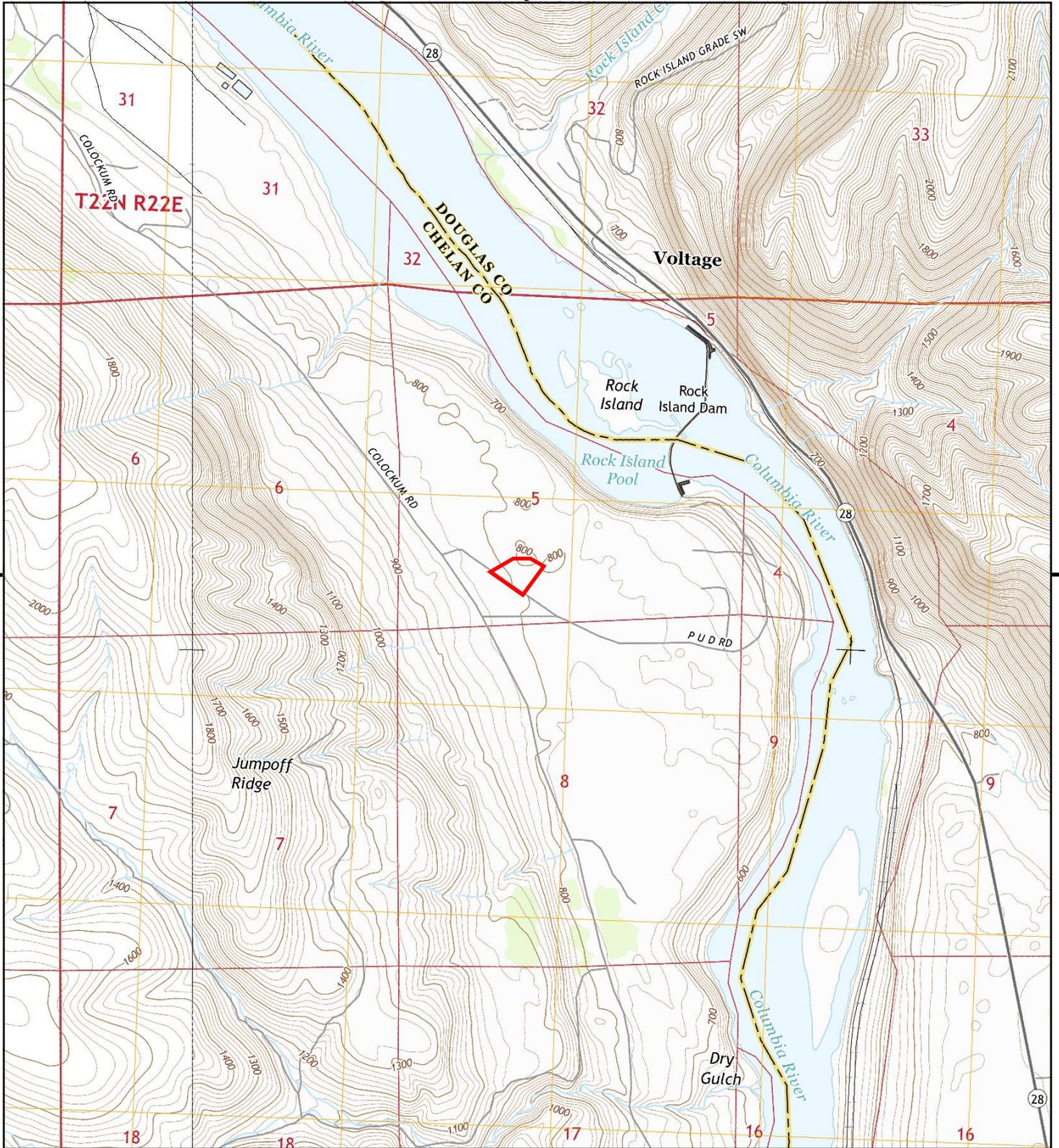
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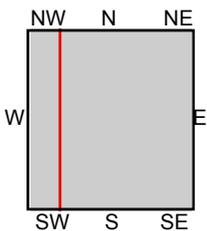
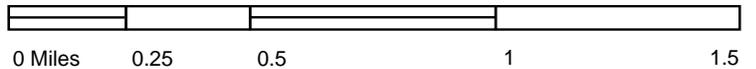
TP, Rock Island Dam, 2020, 7.5-minute
 SW, Malaga, 2020, 7.5-minute

SITE NAME: Helion Site
ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA, WA 98828
CLIENT: Nelson Geotechnical Associates





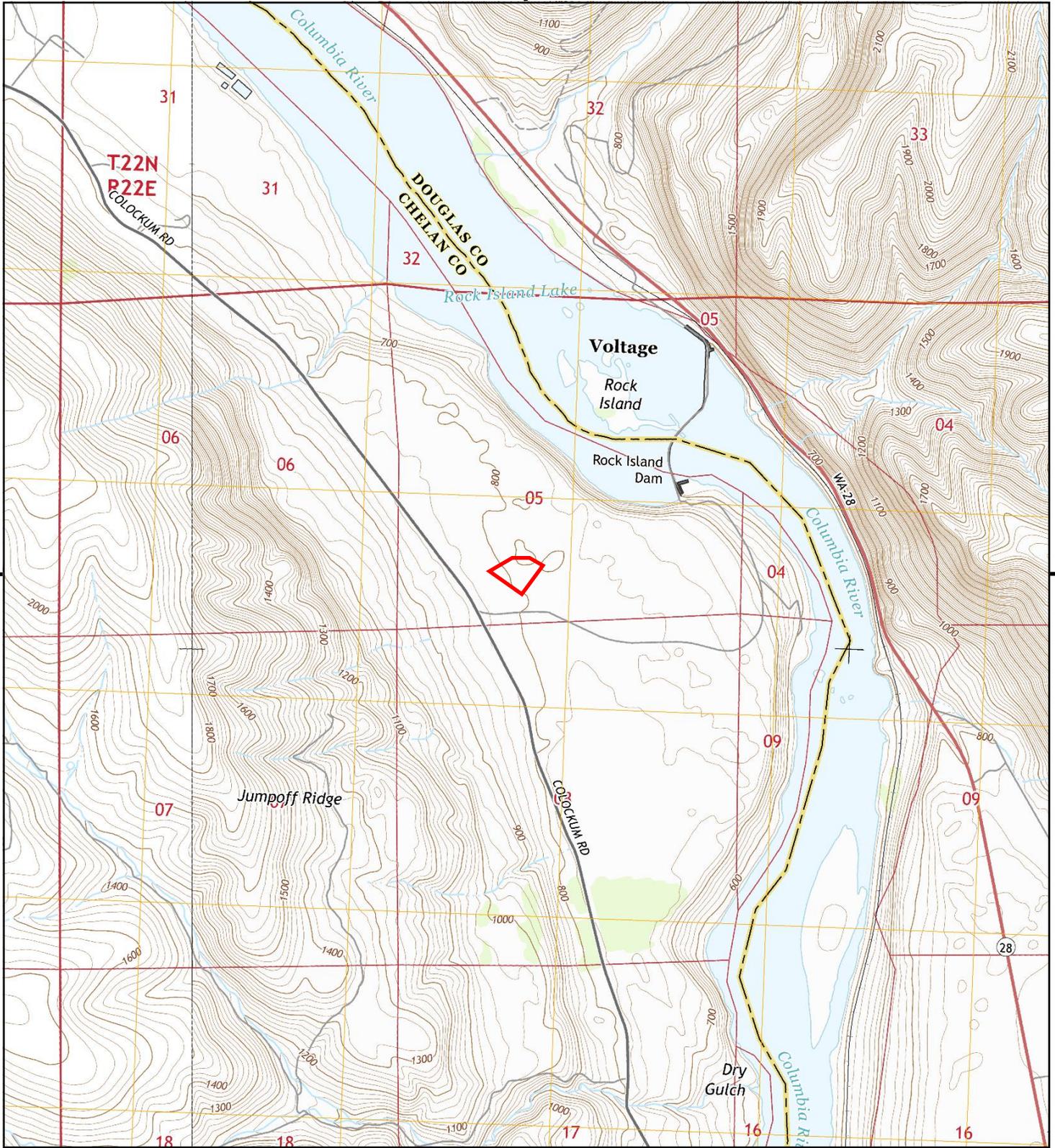
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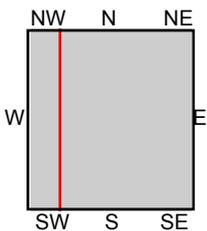
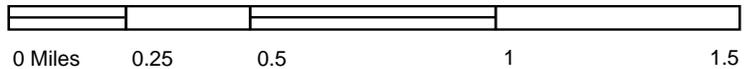
TP, Rock Island Dam, 2017, 7.5-minute
 SW, Malaga, 2017, 7.5-minute

SITE NAME: Helion Site
ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA, WA 98828
CLIENT: Nelson Geotechnical Associates





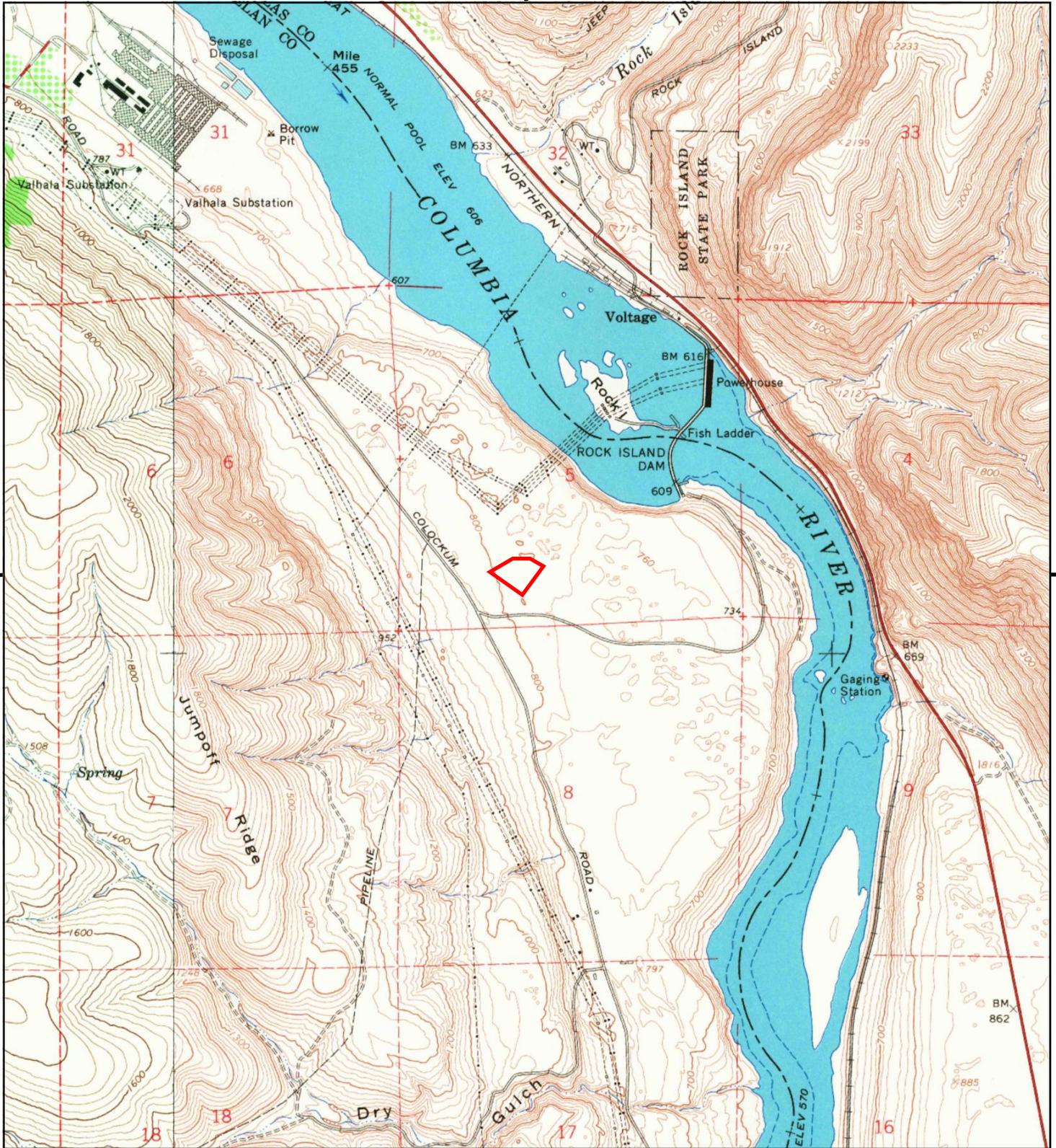
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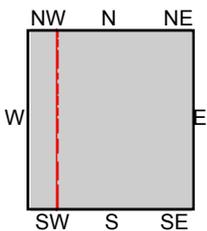
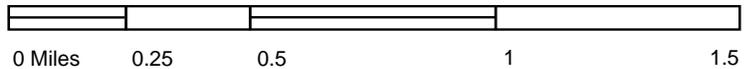
TP, Rock Island Dam, 2014, 7.5-minute
 SW, Malaga, 2014, 7.5-minute

SITE NAME: Helion Site
ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA, WA 98828
CLIENT: Nelson Geotechnical Associates





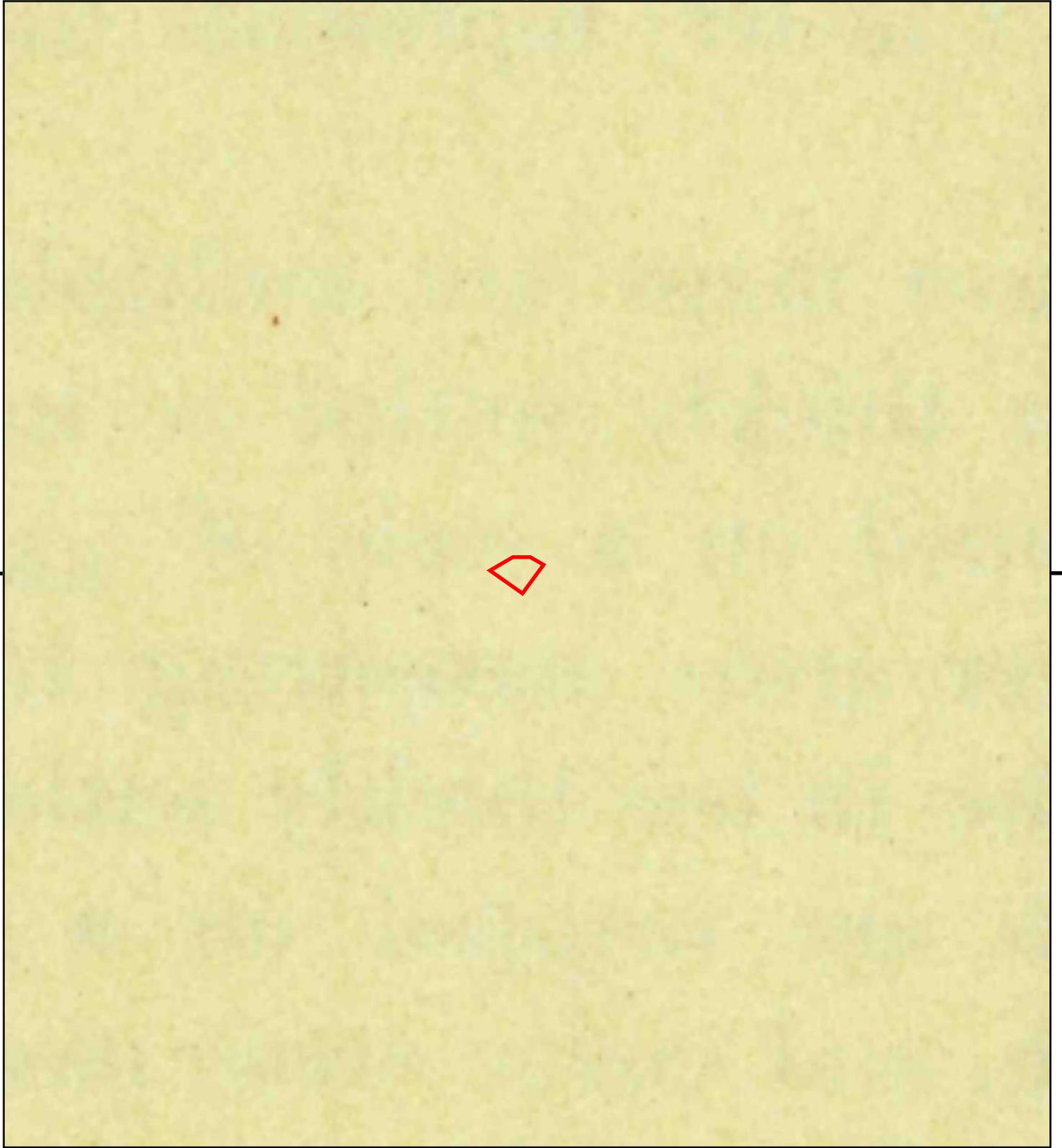
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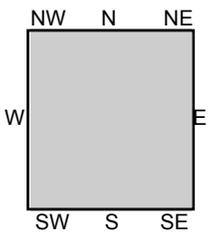
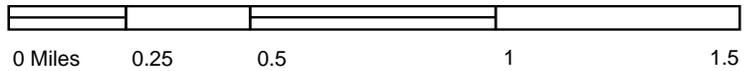
TP, Rock Island Dam, 1966, 7.5-minute
 SW, Malaga, 1966, 7.5-minute

SITE NAME: Helion Site
ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA, WA 98828
CLIENT: Nelson Geotechnical Associates





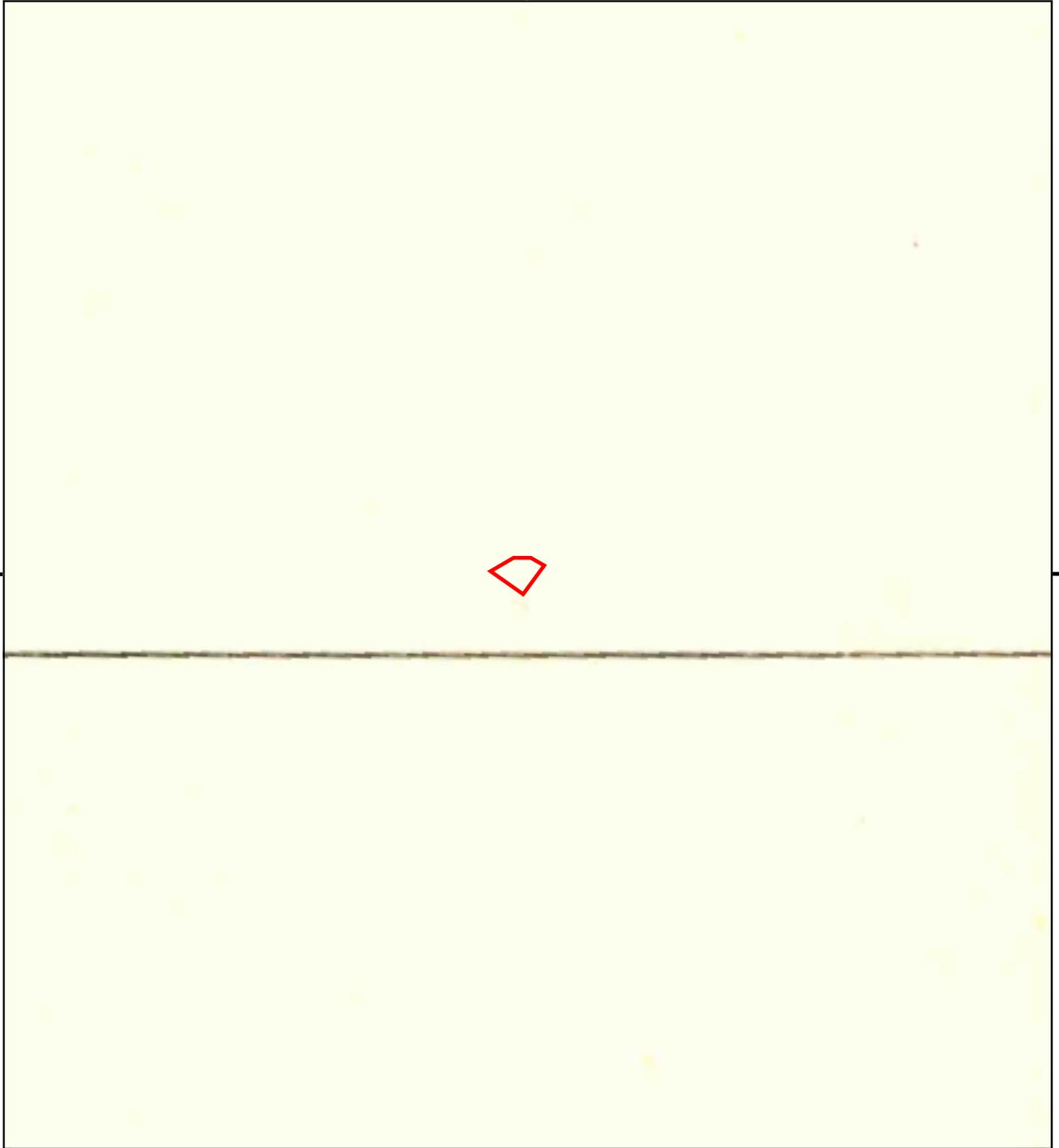
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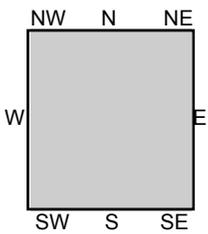
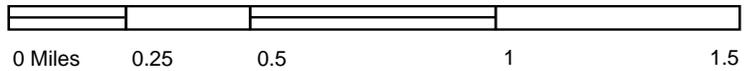
TP, Colockum Pass, 1922, 30-minute

SITE NAME: Helion Site
ADDRESS: 1476 ROCK ISLAND DAM RD
MALAGA, WA 98828
CLIENT: Nelson Geotechnical Associates





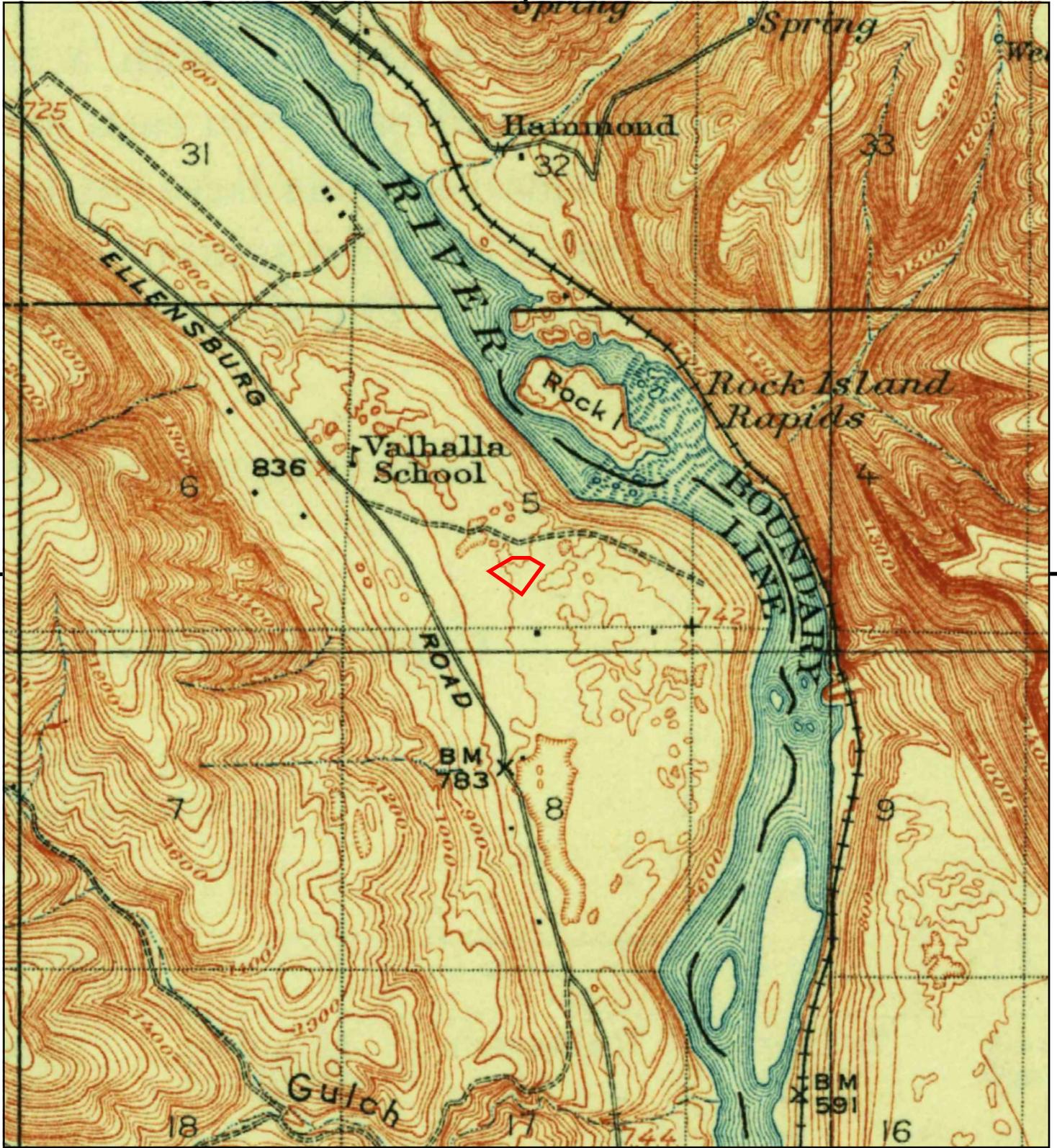
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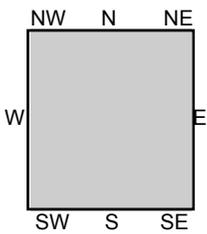
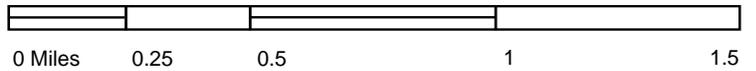
TP, Colockum Pass, 1920, 30-minute

SITE NAME: Helion Site
ADDRESS: 1476 ROCK ISLAND DAM RD
MALAGA, WA 98828
CLIENT: Nelson Geotechnical Associates





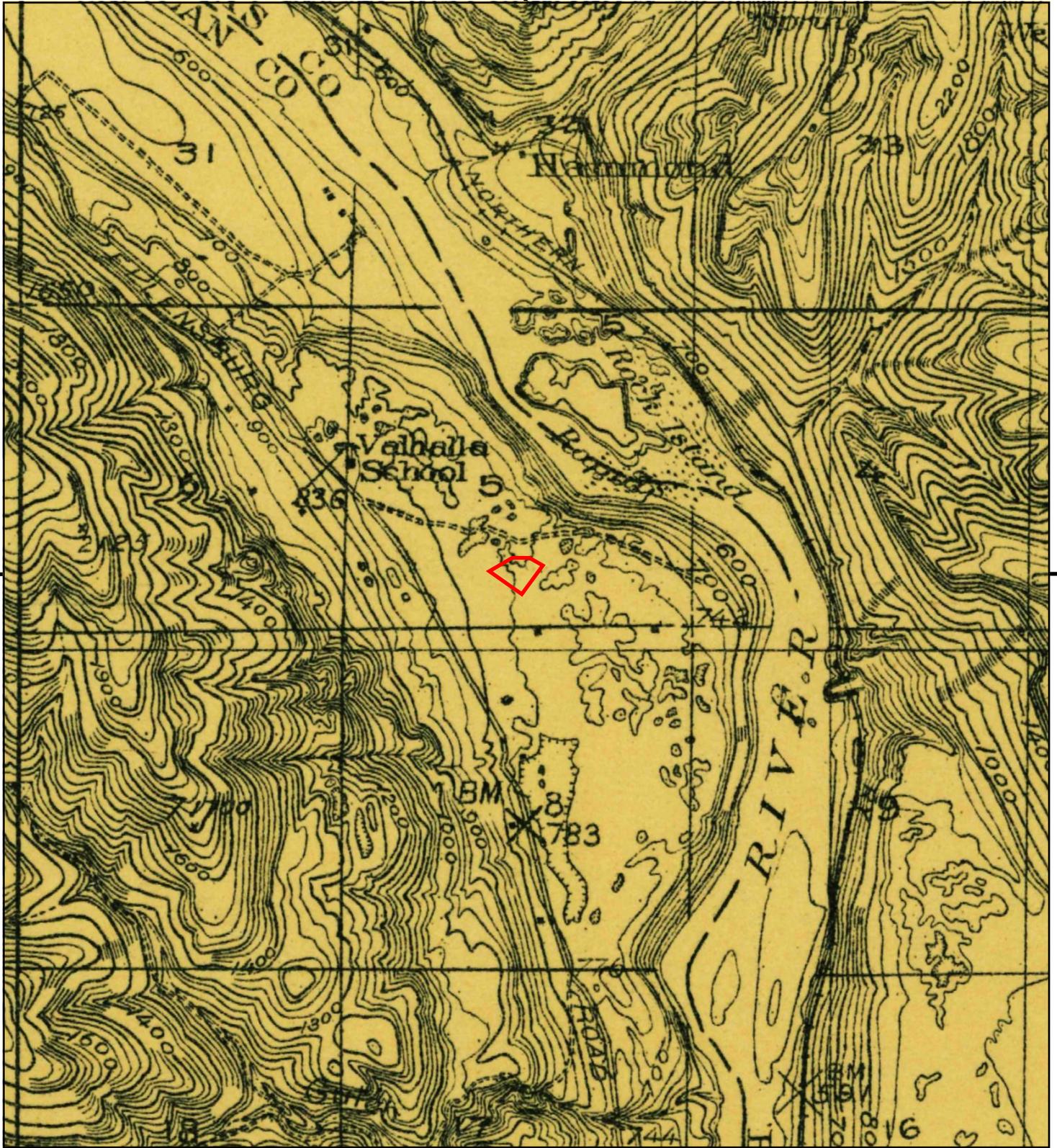
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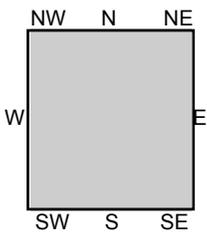
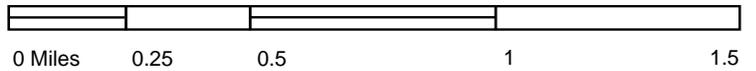
TP, Malaga, 1914, 15-minute

SITE NAME: Helion Site
 ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA, WA 98828
 CLIENT: Nelson Geotechnical Associates





This report includes information from the following map sheet(s).



TP, Malaga, 1912, 15-minute

SITE NAME: Helion Site
 ADDRESS: 1476 ROCK ISLAND DAM RD
 MALAGA, WA 98828
 CLIENT: Nelson Geotechnical Associates



APPENDIX E

CITY DIRECTORY REPORT

Helion Site

1476 ROCK ISLAND DAM RD
MALAGA, WA 98828

Inquiry Number: 7825435.5
November 18, 2024

The EDR-City Directory Image Report

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Executive Summary

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City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2017	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2014	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1995	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1992	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information

FINDINGS

TARGET PROPERTY STREET

1476 ROCK ISLAND DAM RD
MALAGA, WA 98828

Year

CD Image

Source

ROCK ISLAND DAM RD

2020	-	EDR Digital Archive	Street not listed in Source
2017	-	Cole Information	Street not listed in Source
2014	-	Cole Information	Street not listed in Source
2010	-	Cole Information	Street not listed in Source
2005	-	Cole Information	Street not listed in Source
2000	-	Cole Information	Street not listed in Source
1995	-	Cole Information	Street not listed in Source
1992	-	Cole Information	Street not listed in Source

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

COLOCKUM RD

2020	pg. A1	EDR Digital Archive
2017	pg. A2	Cole Information
2014	pg. A3	Cole Information
2010	pg. A4	Cole Information
2005	pg. A5	Cole Information
2000	pg. A6	Cole Information
1995	pg. A7	Cole Information
1992	pg. A8	Cole Information

City Directory Images

COLOCKUM RD 2020

5814	Jenny Hubbard Marion Hubbard Robert Hubbard
5978	Estella Hernandez Rene Hernandez Seferiano Hernandez
7004	Jessie Davies
7053	John Laws Shirley Laws Wendy Laws
7151	Jodi Simmons
7173	Gregory Simmons Jodi Simmons John Simmons
7295	Thomas Kendrick
7429	Lynda Hatcher Owen Hatcher Paula Hatcher Sharon Hatcher
7447	Darcey Brown Mark Brown
7543	Bradley Savage Carlie Savage
7599	Jana Johnson Jeremiah Johnson
7655	Jennifer Nikolas Mathew Nikolas
8018	Carl Scroggie William Scroggie
8301	Nour Weintrabu

COLOCKUM RD 2017

5978 HERNANDEZ, SEBRIANO A
6863 LOZANO-BAROSO, ADRIAN
7004 DAVIES, JESSIE W
7053 LAWS, JOHN M
7173 SIMMONS, GREG A
7429 HATCHER, OWEN S
7447 BROWN, MARK R
7976 DECAIRES, JESSICA D
8018 SCROGGIE, CARL
8022 SCOGGIE, WILLIAM
8497 CRUZ, RODOLFO M
8774 SMITH, GARY

COLOCKUM RD 2014

5814	RAVENWING RANCH LLC
5978	HERNANDEZ, RAUL P
6863	GUZMAN, SOLLA A
7004	OCCUPANT UNKNOWN,
7053	OCCUPANT UNKNOWN,
7139	OCCUPANT UNKNOWN,
7165	OCCUPANT UNKNOWN,
7173	SIMMONS, GREG A
7181	HALVORSON, THOMAS H
7219	LAYMANCE, ERNEST E
7221	OCCUPANT UNKNOWN,
7223	OCCUPANT UNKNOWN,
7295	OCCUPANT UNKNOWN,
7429	HATCHER, OWEN S
7447	BROWN, MARK R
7655	OCCUPANT UNKNOWN,
7976	LORENTEEN, ARNOLD C
8018	SCROGGIE, CARL
8022	SCOGGIE, WILLIAM
8497	CRUZ, RODOLFO M
8774	SMITH, GARY

COLOCKUM RD 2010

5814 RAVENWING FARM LLC
6863 AGUILAR, GUZMAN
7004 JORDAN, ROBERT D
7139 SCHUYLEMAN, LACEY
7173 SIMMONS, GREG A
7181 KEELEY, DONALD D
7219 LAYMANCE, ERNEST E
7221 RAYBURN, PHIL D
7447 BROWN, MARK R
7976 BARRINGER, JENNIFER
8018 COLOCKUM CREEK RANCH
SCROGGIE, CARL
8301 WEINTRAUB, DAVID C
8633 HOFFERT, KEVIN L
8774 CHASE, ERIC

COLOCKUM RD 2005

5814 FOMENTO, WILBUR M
5978 GREEN, ALISON
7004 JORDAN, ROBERT D
7139 MCKINNEY, NATHAN J
7165 KING, H L
7173 SIMMONS, GREG
7181 KEELEY, DONALD D
7219 LAYMANCE, ERNEST D
7221 RAYBURN, PHIL D
7447 BROWN, MARK R
7976 LORENTZEN, CRAIG
8018 COLOCKUM CREEK RANCH
SCROGGIE, WILLIAM
8301 WEINTRAUB, DAVID C
8633 HOFFERT, CARLA
8774 BRANNON, KATHRYN
8931 FULWILER, NEIL J

COLOCKUM RD 2000

5978 MUSGROVE, JIM
7004 DAVIES, AUDRA
7053 NELSON, LEONE
7181 SCROGGIE, JAKE
7221 RAYBURN, PHIL
7223 AVIS, MICHAEL J
7447 BROWN, DARCEY J
7655 SCROGGIE, BILL
8018 SCROGGIE, G E
8301 WEINTRAUB, DAVID C
8921 FULWILER, NEIL

COLOCKUM RD 1995

5816 LAWSON, WAYNE
5818 TREXLER, E
5978 MUSGROVE, JIM
6863 SCHWILKE, SUSIE
7004 LEE, CECIL
7181 KEELEY, DONALD D
7655 SCROGGIE, BILL
7976 THOMA, DENNIS J
8018 SCROGGIE, CARL
8022 KING, DIANE
8921 FULWILER, NEIL JR
8931 BUCKLES, CECIL

COLOCKUM RD 1992

5978 MUSGROVE, JIM
6863 SULLIVANT, ONEIL
7004 DAVIES, AUDRA
7053 FORT, CHUCK
7165 ZIMMERMAN, CHARLES
7173 SCROGGIE, JAKE
7181 KEELEY, DONALD D
7655 SCROGGIE, BILL
8022 KING, DIANE
8301 WEINTRAUB, DAVID C
8921 FULWILER, NEIL JR
8931 BUCKLES, CECIL

APPENDIX F

TITLE RECORDS



2006149
Page: 1 of 5
05/27/97 09:55A
Chelan Co, WA

NORTHWEST PIPELINE CORPORATION
ATTN: PAULINE MENDES M/S 303
P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900

DOCUMENT TITLE: RIGHT OF WAY AND EASEMENT - FACILITY

GRANTOR: PUBLIC UTILITY DISTRICT NO. 1 OF CHELAN COUNTY, WA

GRANTEE: NORTHWEST PIPELINE CORPORATION

LEGAL DESCRIPTION:

SW 1/4 SECTION 5 TOWNSHIP 21 NORTH RANGE 22 EAST
CHELAN COUNTY, WASHINGTON

TAX ID#: 212205000050

REGISTER NO. 2879



STATE OF *Washington*)
)ss.
COUNTY OF *Chelan*)

RIGHT OF WAY AND EASEMENT FACILITY

The undersigned, Grantor, for and in consideration of the sum of TEN DOLLARS AND OTHER CONSIDERATIONS, to the Grantor in hand paid by NORTHWEST PIPELINE CORPORATION, P.O. Box 58900, Salt Lake City, Utah 84158-0900, hereinafter referred to as Grantee, the receipt and sufficiency of which is hereby acknowledged, does hereby grant, sell and convey unto said Grantee, its successors and assigns, a right of way and easement to locate, construct, maintain and operate the hereinafter described facilities, with appurtenances thereto, on the hereinafter described land.

This grant shall carry with it the right of ingress and egress to and from, and access on and along said land, with the right to use existing roads, for the purpose of constructing, inspecting, repairing and maintaining the facilities and the removal or replacement of same at will, either in whole or in part. Grantee shall have the right of exclusive use of any portion of said property occupied by Grantee's improvements which are constructed on or above the surface thereof.

TO HAVE AND TO HOLD the above described rights and easements, together with all rights necessary to operate and maintain the facilities on the easement hereby granted unto said Grantee, its successors and assigns, and the Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and be binding upon Grantor, his heirs, legal representatives and successors in title.

Grantee hereby agrees to, upon permanent abandonment of said facility, to remove said facility at their expense, and further agrees to, should the land use change, aesthetically enhance said facility to match surrounding land use.

Grantee may at any time, and upon permanent abandonment of said easement and removal of all improvements constructed thereon, shall execute and record a reconveyance and release hereof, whereupon this right of way and easement and all rights and privileges herein mutually granted shall be fully cancelled and terminated.

Grantor represents and warrants that he/she is the owner in fee simple of the land hereinafter described, subject only to outstanding mortgages, if any, now of record in said county, and in the event of default by Grantor, Grantee shall have the right to discharge or redeem for Grantor, in whole or in part, any mortgage, tax or other lien on said land and thereupon be subrogated to such lien and rights incident thereto.

It is hereby understood that the parties securing this grant in behalf of the Grantee are without authority to make any covenant or agreement not herein expressed.

DESCRIPTION OF FACILITIES:

- 250' deep well cathodic protection station #1557, consisting of rectifier pole, cable, and deep anode bed.
- Location and layout shown on sketch marked "Exhibit A"
- Permanent right-of-way: Length 310', Width 10' (cable is center line of right-of-way), containing 0.07 acres.
- A temporary work space of 100' by 100' surrounding the deep well during construction.

DESCRIPTION OF PROPERTY SITUATED IN Chelan COUNTY, STATE OF Washington

<u>Subdivision</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>B & M</u>
SW 1/4	5	21 N.	22 E.	WIL

WITNESS THE EXECUTION HEREOF THE 7 DAY OF June, 1993, A.D.

by: *Dorlene E. Linkston*
Witness to Signature(s)

PUBLIC UTILITY DISTRICT NO. 1
OF CHELAN COUNTY, WASHINGTON

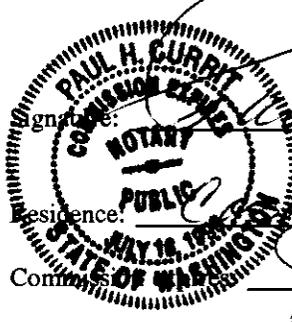
by: *Sony D Smart*
SONNY D. SMART
Chief Executive Officer
General Manager

Project Name: CPS 1559
REGISTER NO. 2879
Tax I.D.# 212205000050

State of Washington)
) ss.
County of Chelan)

On this 7th day of June, 1993 before me personally appeared SONNY D. SMART to me known to be the Chief Executive Officer and General Manager of Public Utility District No. 1 of Chelan County, Washington, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument and that the seal affixed is the corporate seal of said corporation.

In Witness Whereof I have hereunto set my hand and affixed my official seal the day and year first above written.

 Paul H. Curritt
Notary Public
Residence: Wenatchee, Wa
Commission Expires: July 16, 1996

REGISTER NO. 2879



2006149
Page: 5 of 5
05/27/97 09:55A
Chelan Co, WA

NORTHWEST PIPELINE CORPORATION
CATHODIC PROTECTION SITE CPS 1559
EASEMENT DESCRIPTION

A parcel of land located in the Northwest one-quarter and in the Southwest one-quarter of Section 5, Township 21 North, Range 22 East, Willamette Meridian, Chelan County, Washington, said parcel being a strip of land, 20.00 feet in width and lying 10.00 feet on each side of the following described centerline:

Commencing at the Southwest corner of Section 5, T.21N., R.22 E., said Southwest corner being a 3 inch square brass plate set in a concrete monument and marked for the corner common to sections 5, 6, 7, and 8, T.21N., R.22E, thence NORTH 2,688.64 feet along the West line of said Section 5 to the West one-quarter corner of said Section 5, said West one-quarter corner being a 3 inch square brass plate set in a concrete monument and marked for the 1/4 corner common to section 5 and 6 T.21N., R.22E., said West line of Section 5 being the Basis of Bearings for this Easement Description, thence S 4°20'54" E 1,403.30 feet to the TRUE POINT OF BEGINNING of this Easement Description;

THENCE along the centerline of said 20.00 foot wide strip of land N 81°37'45" E 282.77 feet to a point;

THENCE N34°11'30"W 107.8 feet to a point and the terminus of this Easement Description.

This Easement Description is based on a field survey conducted on March 31, 1993.

Prepared by:

Anderson-Perry & Assoc., Inc.
P.O. Box 1107
LaGrande, Oregon 97850

REGISTER NO. 2879



5-11-93

Return Address:
PUD No. 1 of Chelan County
PO Box 1231
Wenatchee, WA 98807-1231

**REAL ESTATE EXCISE TAX
EXEMPT**
Chelan County Treasurer
David E. Griffiths, CPA
By 2/25/19  Deputy

Document Title(s) (or transactions contained therein):

- 1. Easement Agreement
- 2.
- 3.
- 4.

Reference Number(s) of Documents assigned or released:
(on page of document(s))

Grantor(s) (last name first, then first name and initial(s))

- 1. Public Utility District No. 1 of Chelan County, a municipal corporation
 - 2.
 - 3.
 - 4.
- Additional names on page of document.

Grantee(s) (last name first, then first name and initial(s))

- 1. ALCOA Wenatchee LLC, a Delaware limited liability company
 - 2.
 - 3.
 - 4.
- Additional names on page of document.

Legal Description (abbreviated : i.e. lot, block, plat or section township and range)

A portion of the S½ of SW¼, Sec. 05, Twn. 21N, Rng. 22 E.W.M., Chelan County, Washington

Additional legal is on page of document

Assessor's Parcel Number (Geo ID-12 Digits): 21 22 05 000 050

Additional parcel numbers on page of document

Washington State County Auditor/Recorder's indexing form (cover sheet)

The Auditor/Recorder will rely on the information provided on the form. The staff will not read the document to verify the accuracy or completeness of the indexing information provided herein.

EMERGENCY NONSTANDARD REQUEST – SIGN ONLY WHEN RECORDING AS NONSTANDARD

I am requesting an emergency nonstandard recording for an additional fee of \$50.00 as provided in RCW 36.18.010. I understand that the recording processing requirements may cover up or otherwise obscure some part of the text of the original document.

SIGNATURE

DATE

EASEMENT AGREEMENT

STATE OF WASHINGTON:

COUNTY OF CHELAN:

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, PUBLIC UTILITY DISTRICT NO. 1 OF CHELAN COUNTY, WASHINGTON, a municipal corporation, , with business offices located at P.O. Box 1231, Wenatchee, WA 98807 (hereinafter referred to as "**GRANTOR**"), for \$10.00 and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby grant and convey unto ALCOA WENATCHEE LLC, a Delaware limited liability company, (hereinafter referred to as "**GRANTEE**") a non-exclusive right-of-way easement for the purpose of access from Malaga Alcoa Highway onto Rock Island Dam Road across and upon that certain strip of land of GRANTOR'S, situated in A point of S½ SW Sec 05, all in T 21N, R 22 EWM, Chelan County, WA,, which is approximately described on Exhibit "A" attached hereto and made a part hereof (hereinafter referred to as the "Easement").

Together with the right at all times to the GRANTEE, its successors and assigns, for ingress, egress and utilities from said described lands across adjacent lands of the GRANTOR on Rock Island Dam Road. Said ingress, egress and utilities easement is a non-exclusive easement, approximately as shown on Exhibit A attached hereto.

GRANTEE shall also have the right to trim or remove trees or vegetation within fifteen (15) feet of each side of the centerline of the Easement as needed for the purposes herein, provided that any and all trees, timber or vegetation removed shall be hauled off-site for proper disposal by GRANTEE. The GRANTOR(s), their successors, assigns or licensees, shall not place, construct or maintain any building or other structure within the boundary limits of said right-of-way and shall not dig or do another act or permit any other act within said right-of-way which will disturb the utilities contained within the right of way granted herein or in any other way remove, threaten or endanger said right-of-way; nor shall the GRANTOR(s), their successors, assigns or licensees, do any blasting or discharge any explosives within a distance of 50 feet of said right-of-way without giving reasonable notice in writing to the GRANTEE, its successors or assigns, of intention so to do.

The GRANTEE, its successors and assigns, shall have the right to level, grade and regrade said right-of-way as may be necessary for the construction, operation and maintenance of the Easement and its purposes.

This Easement is subject to all exceptions, reservations, restrictions, estates, leases, limitations and encumbrances, whether of record or not, which affect the property subject to the

Easement. GRANTOR does not hereby warrant or represent that it has good and marketable title in and to the property subject to the Easement or that it has the right to grant the Easement.

This Easement and the use thereof by GRANTEE and its successors and assigns is further subject to the following conditions and limitations, which are covenants running with the land:

(a) GRANTEE and its successors and assigns shall not assign the Easement without the written consent of the GRANTOR, its successors and assigns. Should such consent be granted, GRANTEE, its successors and assigns shall furnish GRANTOR, its successors and assigns, with copies of any and all such assignments;

(b) GRANTEE, on behalf of itself, its successors and assigns, and its officers, directors, employees, agents and representatives, shall indemnify, hold harmless and defend GRANTOR, its successors and assigns and its officers, directors, employees, affiliates, agents and assigns, from and against any and all losses, claims, demands, suits and causes of action and damages, including court costs, attorneys' fees or expert and witness fees, resulting from or in any manner connected with the exercise by GRANTEE, its officers, directors, employees, invitees, agents or representatives, of the rights under the Easement granted herein including, but not limited to, any and all losses, claims, demands, suits and causes of action and damages, including court costs, attorneys' fees or expert and witness fees, resulting from the release of environmental contaminants at, to or from the Easement;

(c) GRANTOR is under no obligation whatsoever to maintain, in any particular state or condition, the Easement or the property subject to the Easement;

(d) GRANTEE and its successors and assigns (i) shall construct, operate and maintain the improvements on or at the Easement in accordance with sound engineering practices and in a good, safe, careful and workmanlike manner, and in compliance with any and all applicable federal, state or local laws, regulations and ordinances. GRANTEE shall make no permanent improvements without first obtaining the written consent of GRANTOR (ii) shall, upon termination of the Easement, remove all debris and return the surface of the property subject to the Easement to the condition in which it was at the commencement of this Easement, and (iii) shall pay for any and all damage to the land arising out of the operation, construction, use or maintenance of the Easement;

(e) Upon cessation of maintenance or use of the Easement by GRANTEE or its successors and assigns for a period of one (1) year or more, the Easement shall be deemed abandoned by GRANTEE and its successors and assigns and shall forthwith be terminated, without advance written notice to GRANTEE or its successors and assigns, and all rights herein granted in and to said Easement shall revert to GRANTOR, its successors or assigns, and GRANTEE, its successors and assigns, agrees to provide GRANTOR with a written instrument in recordable form which affirmatively states that the Easement is terminated;

(f) In the event that GRANTEE or its successors and assigns decide to unilaterally terminate the Easement, GRANTEE or its successors and assigns shall provide at least six (6) months' prior written notice to GRANTOR, its successors or assigns, of such decision;

(g) Upon termination of the Easement, for any reason whatsoever, GRANTEE or its successors and assigns shall remove any and all equipment from the terminated Easement, and restore, at their sole cost and expense, the property subject to the terminated Easement to its original condition, to the extent reasonably practicable, within sixty (60) days of said termination;

(h) GRANTOR, its successors and assigns, shall have the right at any time to use the property subject to the Easement for any purpose whatsoever except that GRANTOR agrees that it shall not use the property subject to the Easement for any purpose which is inconsistent with the rights and privileges granted to GRANTEE herein;

(i) The Easement hereby granted is given subject to the right of GRANTOR, its successors and assigns, to effect, at the sole cost and expense of the GRANTEE, its successors and assigns, change in the location of all or any portion of the Easement hereby granted as the GRANTOR may find necessary to effectuate the use or development of the remainder of GRANTOR'S Property; provided, that the GRANTOR shall give ninety (90) days' notice to GRANTEE of such proposed change in location and provided further, that GRANTOR will cooperate with GRANTEE to identify a new location and will provide a grant of easement in a new location ("New Easement") upon substantially the same terms and conditions as the Easement hereby granted. GRANTOR shall have no liability or obligation of any kind to GRANTEE for losses or damages incident to, or in connection with, said change of location. GRANTEE hereby agrees and covenants that it will within nine (9) months after notice to move its facilities, and upon receipt of the New Easement, surrender the Easement hereby granted, by written instrument duly executed and in recordable form.

(j) In the event of any breach by GRANTEE or its successors and assigns of any of the foregoing covenants or any other term or condition contained herein, GRANTOR shall provide written notice to GRANTEE of said breach. In the event that the breach by GRANTEE is not cured within sixty (60) days of receipt of the written notice, GRANTOR and its successors and assigns shall be entitled to terminate this Easement and to all other rights and remedies at law or in equity including but not limited to specific performance of the obligations imposed on GRANTEE and its successors and assigns hereunder. Proper notice may be given by registered or certified mail, postage prepaid, with return receipt requested, and if intended for GRANTOR, addressed to:

Chelan County PUD
General Counsel
327 North Wenatchee Avenue
Wenatchee WA 98801

or if intended for GRANTEE, addressed to:

Alcoa Corp
201 Isabella Street
Pittsburgh, PA 15212
Attn: Director, Global Real Estate

or to such other address as the party to whom sent may have previously designated in writing to the other party.

(k) GRANTEE agrees: (i) to maintain in full force and effect casualty, property, and other lines of insurance or self-insurance of the types, on the terms and in the amounts commensurate with its business and risks associated therewith (“Insurance”) and to comply with applicable workers compensation insurance laws regarding insurance or qualification as a self-insurer; (ii) to the extent permitted by law, to waive rights of subrogation and contribution against GRANTOR, including GRANTOR as an additional insured, under policies of Insurance; (iii) to ensure that GRANTOR is made an additional insured on policies of Insurance under terms of coverage customary to the risk of loss to which GRANTOR is exposed and that the limits of Insurance to which GRANTOR is entitled as an additional insured are no less than the amount of total limits of Insurance applicable to GRANTEE under all of the policies of Insurance; (iv) to ensure that the policies of Insurance are stated to be specifically primary to any of GRANTOR’s insurance policies, which policies will be, in all respects, excess to GRANTEE’s policies of Insurance; (v) to be solely responsible for any deductibles, self-insured retentions, or other form of self-insurance under the policies of Insurance; (vi) upon GRANTOR’s request, to timely provide written certification, reasonably acceptable to GRANTOR, certifying the material terms of the policies of Insurance.

This written Easement shall inure to the benefit of and be binding upon the successors and assigns of GRANTOR and GRANTEE.

This written easement represents the only agreement pertaining to the Easement and supersedes all prior agreements relating to the subject matter hereof, whether written or oral, and shall not be amended, changed, altered or modified other than by an agreement in writing and signed by GRANTOR and GRANTEE or their respective successors and assigns, if any.

IN WITNESS WHEREOF, this instrument is executed on this 11 day of FEBRUARY, 2019

GRANTOR:

WITNESS:

PUBLIC UTILITY DISTRICT NO. 1 OF
CHELAN COUNTY, WASHINGTON

Vicki Gruffen

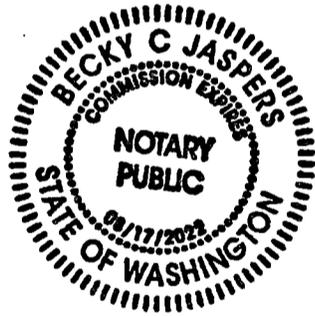
By: Daniel Frazier

ACKNOWLEDGEMENT

STATE OF WA)
) SS:
COUNTY OF CHELAN)

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared DANIEL FRAZIER, known to me to be the person whose name is subscribed as DIRECTOR OF SHARED SERVICES of PUBLIC UTILITY DISTRICT NO. 1 OF CHELAN COUNTY, WASHINGTON, a municipal corporation, and acknowledged that he, as DIRECTOR OF SHARED SERVICES and being authorized to do so, executed the same as the act of said corporation as his principal for the consideration and purposes therein contained.

IN TESTIMONY WHEREOF, I hereunto set my hand and official seal this 11 day of FEBRUARY, 2019.



Becky C. Jaspers
Notary Public

GRANTEE:

WITNESS:

ALCOA WENATCHEE LLC

Sally Pizzent

By: Maureen Ford

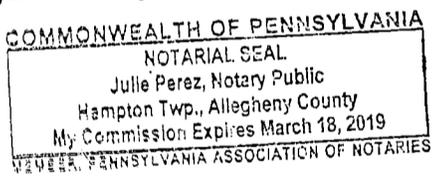
ACKNOWLEDGEMENT

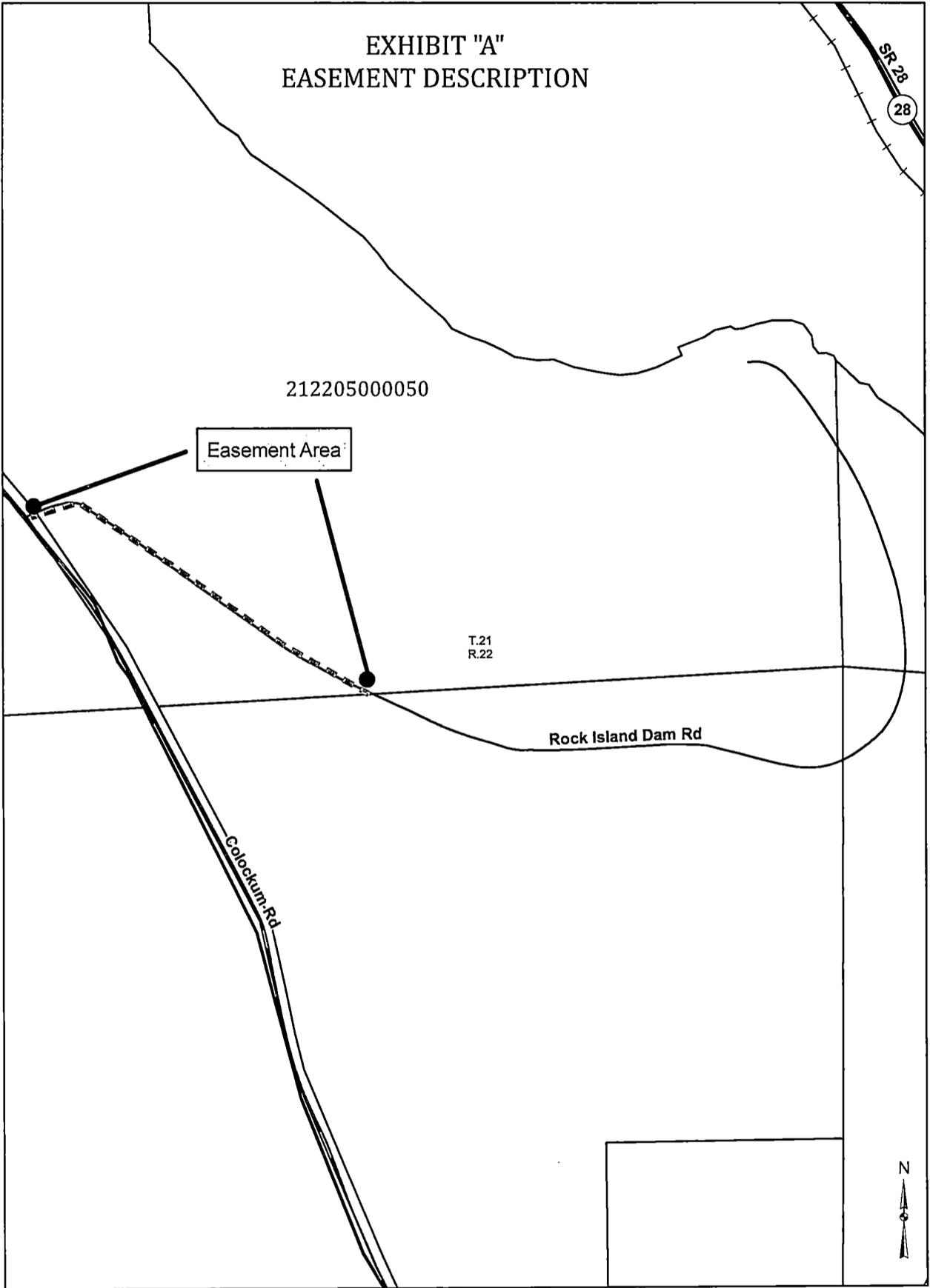
STATE OF Pennsylvania
COUNTY OF Allegheny) SS:

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared Maureen Ford, known to me to be the person whose name is subscribed as Director of Global Real Estate of ALCOA WENATCHEE LLC, a Delaware limited liability company, and acknowledged that he, as Director of Global Real Estate and being authorized to do so, executed the same as the act of said corporation as his principal for the consideration and purposes therein contained.

IN TESTIMONY WHEREOF, I hereunto set my hand and official seal this 14th day of February, 2019.

Julie Perez
Notary Public





APPENDIX G

SITE PHOTOGRAPHS



Figure 1: Subject property looking north from Nixon Rapids Lane (Rock Island Dam)



Figure 2: Access to subject property, looking northwest from Nixon Rapids Lane (Rock Island Dam)



Figure 3: Subject property looking southeast toward Chelan PUD facilities associated with Rock Island Dam



Figure 4: Subject property looking west towards junction of Malag Alcoa Highway (Colockum Road) and Nixon Rapids Lane (Rock Island Dam Road)



Figure 5: Subject property looking north toward Chelan PUD power lines including previous grading of rough pad on site



Figure 6: Subject property looking northeast toward Malaga Alcoa Highway (Colockum Road)

APPENDIX H

USER QUESTIONNAIRE

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE & CHECKLIST**

As a requirement under the current ASTM Phase I Environmental Site Assessment (ESA) Standard, please answer these questions, to the best of your knowledge:

Are you aware of any environmental liens against the subject property that are filed or recorded under federal, tribal, state or local law?

No

Are you aware of any Activity and Use Limitations (AULs) such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded against the subject property under federal, tribal, state or local law?

No

Do you have any specialized knowledge or experience related to the subject property or nearby properties?

No

Does the purchase price being paid for the subject property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the subject property?

N/A The property is not being sold.

Do you know the past use of the subject property?

401 acre parcel was purchased in 1930 by Chelan PUD's predecessor. Sections of the parcel may have been used to dispense of dirt/rock during the original construction of the dam in the 1930's and Chelan PUD had a surface mining permit from WA Dept of Natural Resources during the construction of the 2nd powerhouse in the mid to late 70's. There is a gas line as well as electric and fiber utilities.

Do you know of specific chemicals that are present or once were present at the subject property?

Not aware of any chemicals used on the property.

Do you know of spills or other chemical releases that have taken place at the subject property?

Not aware of any spills or chemical releases on the property.

Do you know of any environmental cleanups that have taken place at the subject property?

No environmental cleanups have taken place on the property. WA Ecology does not have the site listed in the Toxics Cleanup program.

Based on your knowledge and experience related to the subject property, are there any obvious indicators that point to the presence or likely presence of releases at the property?

None known.

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE & CHECKLIST**

The following is a list of documents and information which could be useful in performing the Phase I Environmental Site Assessment. Check the appropriate boxes below, sign, and return this along with copies of any reasonably available documents or information.

- | Yes | No | |
|--------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 1. Environmental site assessment reports |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Environmental audit reports |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Environmental permits (i.e., solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits) |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Registrations for underground storage tanks, above-ground storage tanks, and/or underground injection systems |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Safety data sheets (previously referred to as material safety data sheets) |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Community right-to-know plan |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Safety plans: preparedness and prevention plans; spill prevention, countermeasure, and control plans; facility response plans, etc. |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Reports regarding hydrogeologic conditions on the property or surrounding area |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Notices or other correspondence from any government agency relating to past or existing environmental liens encumbering the property |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Hazardous waste generator notices or reports |
| <input type="checkbox"/> | <input type="checkbox"/> | 11. Geotechnical studies |
| <input type="checkbox"/> | <input type="checkbox"/> | 12. Risk assessments |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Information concerning any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. Notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products |
| <input type="checkbox"/> | <input type="checkbox"/> | 15. Disclosure of sumps, pits, drainage systems-existence and location |
| <input type="checkbox"/> | <input type="checkbox"/> | 16. Building plans (architectural, utility, structural) |
| <input type="checkbox"/> | <input type="checkbox"/> | 17. Description of current site operations, including layout drawings or sketches |
| <input type="checkbox"/> | <input type="checkbox"/> | 18. Title report/chain of title |
| <input type="checkbox"/> | <input type="checkbox"/> | 19. Tax assessor records (previous owner and occupants) |
| <input type="checkbox"/> | <input type="checkbox"/> | 20. Purchase price analysis (if lower than comparable) |
| <input type="checkbox"/> | <input type="checkbox"/> | 21. Current and historical photographs of site |

Vicki Griffin (Signature)

Vicki Griffin (Name printed or typed)

APPENDIX I

RESUMES OF ENVIRONMENTAL PROFESSIONALS



**NELSON GEOTECHNICAL
ASSOCIATES, INC.**

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RESUME

KHALED M. SHAWISH, PE

Principal Engineer

EDUCATION

B.S. Civil Engineering, University of Jordan, 1990

M.S. Geotechnical Engineering, Washington State University, 1992

REGISTRATION/CERTIFICATION

Professional Engineer, Civil Engineering, State of Washington (No. 35215), 1998

PROFESSIONAL SUMMARY

Mr. Shawish has been practicing geotechnical engineering in Washington State since 1994. As Principal and Senior Engineer with NGA, Khaled manages and provides the technical support for large-scale municipal, commercial, and residential projects.

His responsibilities include setting up and managing project budgets, determining project scope and objectives, reviewing project plans, overseeing field exploration and site reconnaissance programs, solving complex geotechnical engineering design and construction issues, and reviewing geotechnical engineering reports and design details. His responsibilities also include client collaboration, overseeing project design teams, and supporting governing agencies during the design and construction phases of projects.

Some of the technical aspects of his experience include landslide evaluation and repair, seismic site evaluation and liquefaction analysis, slope stability analyses, and design of reinforced earth walls, soldier pile walls, deep foundations, anchors, tiebacks, foundations and retaining walls. In addition, Mr. Shawish has had extensive expertise with current, local, and national engineering codes and standards.

Mr. Shawish has also provided expert witness and legal testimony services on many projects. His extensive knowledge of complex technical issues and ability to explain them clearly and concisely in court, or during deposition, has helped his clients achieve favorable outcomes in the cases he has been involved with.



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RESUME

CHRISTOPHER L. WARD-GUTHRIE, LG

Project Geologist

EDUCATION

B.S. Geological Sciences, University of Washington, 2004

M.S. Geology, Western Washington University, 2008

REGISTRATION/CERTIFICATION

Geologist, State of Washington (No. 24032743), 2024

PROFESSIONAL SUMMARY

Chris joined NGA as a Field Geologist in the summer of 2021. His areas of proficiency include Phase I Environmental Site Assessments, channel migration zone studies, slope inclinometer installations, field investigations (borehole, test pit, hand auger), laboratory analyses, construction monitoring, foundation evaluation, and assisting with exploration projects.

Chris's involvement with construction monitoring includes commercial, residential, and municipal projects. He has collaborated with project managers and principals on municipal, utility, residential, and commercial projects.